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Spider 6

Release Notes

Legal Information

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1 Introduction

Warning If an existing Spider installation is to be updated, please create a backup copy of the existing data-bases, BEFORE you continue with the update. The update process will modify the data-bases, which CANNOT BE UNDONE in case of a failure.

Installation instructions and current **system requirements** can be found in the document "Spider 6 Technical Reference".

2 Current versions

2.1 Update 6.4.5.R8 (2022-01-10)

2.1.1 Corrections

To search for components of the Log4j-Framework, the report "Vulnerability Report for Log4j" is now introduced. If file scanning is enabled on the scanner and the file filter includes jar-files, this report shows potentially affected assets.

Details concerning the new report can be found in our Flexera-Community. See link:

<https://community.flexera.com/t5/Spider-Knowledge-Base/Log4j-vulnerability-report-How-can-Spider-gather-and-report/ta-p/219826>

2.2 Update 6.4.5-R7 (2021-12-17)

2.2.1 Corrections

A critical vulnerability in Apache Log4j impacting versions from 2.0-beta9 to 2.14.1 has been publicly disclosed. The vulnerability has been assigned the identifier CVE-2021-44228.

Enterprise Service Infrastructure (ESI) has been identified as a potentially exposed component. ESI is installed in addition to Spider to use the Spider OneSearch functionality. Spider instances using OneSearch (which therefore rely on ESI) have a search bar in the upper right corner.

Spider itself is not affected if OneSearch/ESI is not used.

A new update has been released for Spider. This update switches off the OneSearch functionality, if used. Furthermore, the setup checks whether Enterprise Service Infrastructure (ESI) is installed on the server.

For further information, the details are summarized in the knowledge base article:

<https://community.flexera.com/t5/Spider-Knowledge-Base/Apache-Log4j-remote-code-execution-vulnerability-CVE-2021-44228/tac-p/217594>

2.3 Update 6.4.5-R6 (2021-12-09)

2.3.1 Improvements

Asset Management

- The reports "Products with User-Based Metrics" and "User-Based Installations" introduced with the last version have been revised. In addition to a few minor corrections, the "User-Based Installations" report can be filtered directly to determine whether a software is being used from the user's point of view or not. Two new columns have been added: "Used (employees)" and "Not used (employees)". In this way, all software installations are taken into account that are installed on the employee's devices. In the case of multi-version coverage, all versions of a product are considered.
This now enables a simplified evaluation of whether a user-based software is being used or not.
- If a user which has originally been imported from the Active Directory is no longer part of the data delivery, this is displayed in the upper right tile in the edit form for employees.
- The Spider UI now displays whether a GLAS evidence file or an LMS evidence file can be downloaded for Oracle databases (required Software Services version 1.2111.2).

- Report results can be integrated as an Excel download in your own menu configurations. In this case, the report is generated as an Excel file and loaded for the user without displaying the report page.

2.3.2 Corrections

Asset Management

- The detail form for direct software assignments to employees could no longer be displayed. The manual creation of direct software assignments for employees was also no longer possible since the last update. Both have been fixed and are working again.
- In certain cases, calculating the license requirements for multi-version coverage resulted in an error. This has been fixed.
- In certain cases, calculating the license requirements for SUSE and Red Hat Linux resulted in an error. This has been fixed.

License Management

- An error could occur during the product catalog synchronization when creating the selected product versions. This has been fixed.

2.4 Update 6.4.5-R5 (2021-10-05)

2.4.1 Improvements

License Management

- The new reports "Products with User Based Metrics" and "User Based Installations" improve the evaluation of installations in metering with user-based license metrics.

Asset Management

- Software that is installed on connected devices is now also displayed in the software view on the employee.
- The synchronization process between the recognition module and Spider Core has been revised. Employees are deactivated if the associated AD user is not delivered by the Active Directory for a defined period of time. This time span is configurable. Furthermore, a tile has been added to the edit form for employees, which is then displayed when an employee has been generated from an AD user.

Common

- In Spider Admin, reports that are used by the alert and report system can now also be configured so that they are sent every six months or annually.

2.4.2 Corrections

License Management

- In certain cases the "Valid to" field was overwritten when the license was created. The behavior has been corrected.
- In certain cases, maintenance could be classified as invalid if no end date was given. The behavior has been corrected.

Asset Management

- For software products without product information, an incomplete message was displayed on the edit page. The message has been corrected.
- If software was called up from the overview page for recognized software products, it was previously not possible to navigate back within the user interface. A return button is now displayed in the ribbon menu.

2.5 Update 6.4.5-R4 (2021-08-30)

2.5.1 Corrections

License Management

- The license search now supports the search criterion "Do not consider in article clearing".

Software Services

- An error prevented a software assignment on an individual asset from being changed. This has been fixed.
- There was a problem with the assignment of metering data to products, as a result of which they were not displayed. In this context, Spider Recognition has also been improved (from version 1.2107.1).
- The synchronization of the data in Spider Asset with the data from the Spider Recognition module (Software Services) has been optimized. Now data synchronization is only carried out if a data change occurred. This leads to a more efficient use of system resources such as CPU power.

Contract Management

- When importing contract subjects with Excel files, the contract is now identified by a combination of ID and title.

Common

- Objects to which a deleted employee object was assigned could no longer be edited. An error occurred while saving. (This behavior occurred, among other things, with functional units and licenses.) This has now been fixed.
- The setting 'Force password change' in the user object had an error. This has been fixed.
- An error in the signature of the Spider Admin Tool has been fixed, so that the execution is no longer objected to by some systems.
- The "Load default fields" function has been revised for the object searches.

Web API

- The search functions of the Spider Web API now also deliver archived objects by default. If a search using archivable objects should only return "non-archived" objects, the search condition "condition = and | sysArchived | = | 0" can be added to the parameters.

2.6 Update 6.4.5-R3 (2021-05-07)

2.6.1 Corrections

License Metrics Procedures

- Under certain circumstances an incorrect license requirement of 2 was determined for cloud subscriptions. This behavior has been corrected. The affected versions are Spider 6.4.4 and Spider 6.4.5.
- The license requirement for virtualized instances from Windows Server, SQL Server and others were not calculated correctly. The behaviour has been corrected. The affected version is Spider 6.4.5.

License Management

- Excessive values in the number of licenses could lead to an overflow in specific compliance views or compliance calculation. This behaviour can occur if several "unlimited" licenses are created in a product via the article catalog. These overflows are now prevented. The affected versions are all Spider 6.4 versions.
- When an unlimited license was created from the article catalog, the value 999,999,999 was transferred. This has been corrected to 999,999. All Spider 6.4 versions are affected.
This update does not update license values. Therefore, the quality report "Licenses that differ from the article catalog" can be used so that the licenses can be corrected. For each license in the report for which the number differs from the article catalog, the "Transfer values from the article" function in the license edit form can be used to adjust the data.
- The determination of metering data for a product version could not terminate in certain data constellations, which means that the detailed form for the product version could not be opened. This behavior has been corrected. Only the Spider version 6.4.5 is affected.

Common

- Up to now, a maximum length of 30 characters was provided for passwords for connecting an Active Directory. The maximum length has been increased. All Spider 6.4 versions are affected.

2.7 Update 6.4.5-R2 (2021-04-12)

2.7.1 Corrections

Asset Management

- Under certain circumstances, the adjustment between inventoried devices and assets could lead to a behavior in which one device leads to changing assets.
This behavior applies to all Spider 6.4 versions. The behavior has been corrected.

Software Services

- If the selection of an alternative for a recognized software product was made directly from the page for setting the standards, the dialog was not closed in a certain case. This behavior has been corrected.
- A difference in the installation numbers was displayed on the detail page for a recognized software product, as only active assets were counted in certain cases. The consistency of the key figures has been restored.

2.8 Update 6.4.5 (2021-03-30)

2.8.1 Improvements

Highlights

- The new Coverage Rules function enables the user to create suite definitions which are then taken into account in the compliance calculation. This allows the user to create his own rules that are not included in the product catalog.
- The current release enables the display and filtering of cloud providers on virtual servers and virtual clients. Cloud providers are identified while systems are being scanned and imported into Spider Asset via the recognition module. This enables the setting and display of the cloud provider on an asset as well as the corresponding filtering in the asset search page. The form definitions of virtual servers and virtual clients have been expanded to include the fields "Cloud provider (inventory)" and "Cloud provider (manual)". The "Cloud Provider (inventory)" field shows the cloud provider found and is read-only, the "Cloud Provider (manual)" field allows the provider found to be over-

written. The provider found is displayed in the search, provided it has not been overwritten (otherwise the provider selected by the user). The configuration is automatically supplemented by the setup on systems with full update capability. On systems without full update capability, the missing fields must be added to the form definitions manually.

- The display concept of metering data in Spider has been fundamentally revised. With this version, a greater focus is placed on the detection of potentially unused installations. To this end, the metering dashboard, the subordinate pages and metering search views have been fundamentally revised. The number fields "Installations", "Used", "Unused" and "No data" are in the new focus. These enable a significantly simplified identification of unused installations. Fields that publish usage data per user have been widely removed. For example, the "average runtime" display is only visible below a software assignment. If this data is to be suppressed completely, the form can be hidden using the form authorization.
- From Spider 6.4.5, decisions on recognized software products are logged. In this way, the user gains transparency about the decisions made, which enables a better understanding. Decisions must be commented on in the standard setting, the requirement to comment can be prevented using the configuration key `SoftwareRecognition.RecognizedProducts.RequireCommentOnDecision`.
- Spider 6.4.5 introduces installation trends in Spider. An installation trend provides information about the number of installations of a recognized software product in the past 60 days. If the current number deviates from the average of the installations over the period by at least 3%, the change is interpreted as an increase or decrease. This helps the user to quickly recognize and understand, in particular, recent changes. Furthermore, the detail page for recognized products has been expanded to include trend images. In addition, a line diagram provides information on the number of installations over the past 90 days.
- On recognized software products it is now possible to mark individual software products with a flag of different colors. These flags can be found in the search pages for recognized software products (above all products and below an asset) so that they can be used as filters for software products. Thus, the extension enables the categorization, identification and tracking of software products. Use cases are, for example, the identification of software to be updated in the company network or the blacklisting of software products.

Software Services

- Starting and monitoring the normalization process for recognized software products has been added to the start page of the Software Services> Info & Settings area. This enables the user to provide up-to-date and consistent data on the software products.
- In the Software Services> Info & Settings area, a new ribbon button has been added that enables the download of unclassified signatures. The generated .swrd file can be handed over to Spider Support so that the signatures are included in the recognition process. The file does not contain any user-related information.
- The detail page for recognized software products introduced with Spider 6.4.4 now also shows possible errors from the compliance calculation.
- The page for displaying program installations has been fundamentally revised. Multiple filters and groupings were made possible. The columns "Operating System", "Scan Date", "Source System" and "Business Unit" have been added. This simplifies the identification and qualification of program installations.
- The page for displaying recognized software products on an asset has been fundamentally revised. Multiple filters and groupings were made possible. The columns "Manufacturer" and "Flag" (of the recognized software product) enable new filter functions.
- The search form for unclassified programs now saves the defined search filters.

License Metrics Procedures (LMP)

- The license metric procedure for Linux servers now takes SuSE AddOns into account.

Common

- Resubmissions are no longer sent for archived Spider objects.
- The list titles in emails from the alert & report system are now sent translated.

Asset Management

- "The dialog view of the device tile for Asset now also shows the type of the inventoried device. Furthermore, a message is displayed in the edit form of the asset if the type of the inventoried device does not correspond to the type of the asset. The comparison takes place via the AssetTypeMapping setting.

2.8.2 Corrections

License Management

- If product versions were moved in the product catalog, the changes were not correctly adopted in customer systems. This behavior has been corrected.
- In the license creation process (article catalog), an error could occur under certain conditions when an attempt was made to create a license that contains an unlimited number of usage rights. This behavior has been corrected.
- The manufacturer filter was not displayed correctly if the translation for "Select manufacturer" contained an apostrophe. This behavior has been corrected.
- An error could occur in the Spider Service if an outdated product version could not be deleted. This bug has been fixed.
- Under certain circumstances, an error could occur in the license splitting process that prevented the license from being split. This behavior has been corrected.

License Metrics Procedures (LMP)

- By using the Spider Oracle Database Suite, improved messages are displayed for Oracle databases.
- Under certain circumstances, the license metrics procedure for inactive states could not consider individual archived items. This behavior has been corrected.

Oracle Database Services

- The operating figures in the Oracle licensing dashboard have been revised.

Common

- In the Spider Admin Tool, when a new password was set for a user, the date for the last password change was not set. This resulted in a further expired password. The behavior has been corrected.
- The deletion of contract types via the admin tool has been corrected.
- Special filters in searches that display images could not be used to filter "unequal". This has now been made possible again.
- The deletion of clients was wrongly suppressed in certain constellations. This behavior has been corrected.
- The creation of licenses was not possible if the dialog for selecting a business unit was previously exited via "Remove selection". This behavior has been corrected.
- Configuration keys could not be stored encrypted in the database with the Spider Admin Tool. This behavior has been corrected.
- The format of a standard filter in the alert & report system has been changed so that it can be used independently of the standard language set by the SQL user.
- In customer configurations, the number of parameter columns on the employee object was not sufficient to store all required fields in the system. The Employee object was therefore extended by 15 more string columns. The associated system views in the database provide the columns.
- Due to a missing condition in the database structure, users could not be deleted under certain circumstances. The behavior has been corrected.
- The database views for advanced searches have been extended so that they contain all fields for object searches.

Asset Management

- The synchronization process between the Software Recognition Module and Spider Asset could abort if two fields refer to the same target field in the parameter mapping. This behavior has been corrected.
- Under certain circumstances the synchronization process between Spider Asset and the Recognition Module could not determine the AssetNo and resulted in an error. This behavior has been corrected.

Contract Management

- Due to a misconfiguration, the contract search could run into an error if the department field was displayed in the search. The configuration has been corrected.

3 Upgrade notes

When upgrading from older Spider installations to the latest version, please refer to the following notes. If an installation contains customizings, you have to check first whether these need to be upgraded, too. We recommend to contact the support before starting an upgrade.

3.1 Version overview

Main version	Initial release	Current version	End of support
Spider 6.4	08.06.2018	6.4.0	-
Spider 6.3	08.06.2018	6.3.7 HF2	30.06.2020
Spider 6.2	12.06.2015	6.2.17061	30.06.2018
Spider 6.1	09.07.2013	6.1.16021	30.06.2017
Spider 6.0	01.06.2012	-	30.06.2016

3.2 Upgrade from Spider 6.3 to Spider 6.4

Before upgrading from a Spider 6.3 installation to Spider 6.4, the following issues have to be considered.

- With Spider 6.4, the system requirements have changed. These changes are described in the document "Spider - Technical Reference".
 - Windows Server 2008 und Windows Server 2008 R2 are no longer supported.
 - SQL Server 2008 und SQL Server 2008 R2 are no longer supported.
 - Spider 6.4 requires .NET Framework 4.7.2.
- In order to use the recognition function, an updated recognition release is required (2nd release from May 2018 minimum).
- The conversion to the new search technology requires that all customer-specific database views are checked:
 - It is mandatory to include an "MandatorID" column.
 - There must be a LegalEntityID column if the object is authorized by LegalEntity.
 - There must be a column "sysArchived" if the archive filter is to be displayed.
- For the purpose of complying with the provisions of the new GDPR, customer-specific configurations should be examined for fields containing personal data. It must be decided on a case-by-case basis how to deal with the respective fields. In the simplest case, a field is no longer needed and can be removed from the configuration and the content will be deleted.
- In order to use the OneSearch function, it is required to install the brainwaregroup Enterprise Service Infrastructure (ESI). This step is optional.
- Customer-specific components such as plug-ins and services created for Spider 6.3 or earlier will no longer work after updating to Spider 6.4, since downward compatibility is not supported here. It is absolutely necessary to have these components adapted to the current version of Spider. Customer rules originally created for a Spider version older than 6.1 should be checked for technical compatibility.

3.3 Upgrade from Spider 6.2 to Spider 6.4

An update to Spider 6.4 is supported from version 6.3.

Spider 6.2 installations must therefore be upgraded to version 6.3 which is a simple upgrade.

Before upgrading from a Spider 6.2 installation to Spider 6.3, the following issues have to be considered.

- Already with Spider 6.3, the system requirements have changed. In this context the instructions in the subchapter "Upgrade from Spider 6.3 to Spider 6.4" are to be considered.
- Along with Spider 6.3, an updated version 6.3 of the Spider Admin Tool will be published. Older versions of the Spider Admin Tool cannot be used anymore with Spider 6.3.
- Along with Spider 6.3, a new version of the Brainwaregroup License Server will be installed. Running several Spider installations with different versions on the same server (e.g. Spider 6.2 and Spider 6.3) is not recommended.
- Regarding customized components please refer to the notes in the sub-section "Upgrade Spider 6.3 to Spider 6.4".

After that, Spider 6.3 can be upgraded to Spider 6.4 (please refer to the notes in the corresponding sub-sections).

3.4 Upgrade from Spider 6.1 to Spider 6.4

An update to Spider 6.4 is supported from version 6.3.

Spider 6.1 installations must therefore be upgraded to version 6.2 which is a simple upgrade.

Before upgrading from a Spider 6.1 installation to Spider 6.2, the following issues have to be considered.

- The previously used interface between Spider Asset and Columbus (ISpiderColumbus) is no longer supported by Spider 6.2 and will be uninstalled by the setup program. From Spider 6.2, Columbus will be linked via the recognition module. Existing ISpiderColumbus implementations have to be adapted.
- At the "Asset" object, the fields "ModelName" and "Domain" were added. Furthermore, the "Software" object was supplemented by the field "ManufacturerID". Database views and reports, which use parameters with such a name, will have to be adapted after an upgrade.
- Regarding customized components please refer to the notes in the sub-section "Upgrade Spider 6.3 to Spider 6.4".

After that, you can carry out a step-by-step upgrade to Spider 6.2, Spider 6.3 and Spider 6.4 (please refer to the notes in the corresponding sub-sections).

3.5 Upgrade from Spider 6.0 to Spider 6.4

An update to Spider 6.4 is supported from version 6.2.

Spider 6.0 installations must therefore be upgraded to version 6.1 which is a simple upgrade.

Before upgrading from a Spider 6.1 installation to Spider 6.2, the following issues have to be considered.

- Regarding customized components please refer to the notes in the sub-section "Upgrade from Spider 6.3 to Spider 6.4".

After that, you can carry out a step-by-step upgrade to Spider 6.2, Spider 6.3 and Spider 6.4 (please refer to the notes in the corresponding sub-sections).

3.6 Upgrade from older versions to Spider 6.4

An update to Spider 6.4 is supported from version 6.3.

Spider installations, which still use the version 5.1 or older, must at first be updated to version 6.1. This process will require preliminary steps and manual interventions which cannot be executed by the provided setup program. An update of older Spider installation must imperatively be carried out by a qualified consultant.

After that, you can carry out a step-by-step upgrade to Spider 6.2, Spider 6.3 and Spider 6.4 (please refer to the notes in the corresponding sub-sections).

4 Release History Spider 6.4

4.1 Update 6.4.4 R3 (2020-10-12)

4.1.1 Improvements

Common

- The behavior of searches and reports when the number of results is unknown has been improved: The time for determining the number has been increased to a maximum of 15 seconds. The behavior of the pager when the result set cannot be determined has been improved. In addition, the meaning of the unknown hits is now explained in a dialog window.

4.1.2 Corrections

Common

- An XSS vulnerability in the function that determines the browser type has been removed.

Asset Management

- The Asset type change led to errors in Spider systems based on a non-Unicode database. This has now been fixed.
- The import priority for a connector could not be adjusted if exactly one connector was known in the Spider system. This has now been made possible. This can be important in order to prioritize this connector higher or lower since new connectors are assigned a default value of 100.

4.2 Update 6.4.4 R2 (2020-08-21)

4.2.1 Improvements

Attention The function of the import priorities had to be changed and the sorting behavior corrected. For this reason, after the update of the Spider installation with this release, the prioritization of the import processes must be carried out again, provided that customer-specific prioritizations have already been made before the update.

Software Services

- Improved user guidance: After completing the classification of a program, the list of non-classified programs is displayed again.
- If a software product linked to a product version can be determined, a link is displayed on the editing page of the product version.

Web API

- The version rank of a product version can now also be determined using the search method of the Web API.

4.2.2 Corrections

Common

- Under certain circumstances the installation of Spider 6.4.4 could abort due to an error in the database script. The system then remained in maintenance mode.

Asset Management

- A display error occurred on the asset editing page, due to which parts of a dialog window were incorrectly displayed on the page.
- When executing the synchronization process between the recognition module and Spider Asset, writing the installation history of the recognized software products generated an entry in the error log.

4.3 Update 6.4.4 (2020-07-17)

4.3.1 Improvements

Highlights

- For the SKU catalog, it is now possible to restrict the selection to certain licensed programs. In addition, all government or education articles can be hidden. This makes it easier to select the right article when creating a license. When importing a license, the article is only determined based on the specified SKU within the restricted selection.
- The fields "Purchase Quantity" and "Quantity Per Unit" for Licenses and Maintenance have been introduced. The goal of this extension is to simplify and improve the license import. By specifying the number of Articles purchased (PurchaseQuantity), the number of Licenses (number of usage rights) is automatically calculated. The number per Article (Quantity Per Unit) is automatically derived from the assigned Article. The extension is backward compatible. Existing imports that set the Quantity field of Licenses or Maintenances will continue to be supported. The use of the new field "Purchase Quantity" for importing licenses and maintenances is recommended. For example, imports of Windows Server licenses can be simplified this way. In the future, only the purchased quantity must be specified. Depending on the SKU, it is then automatically identified whether it is a 2-core or 8-core item and the resulting number of Licenses is calculated. In the past, this had to be done before the import or had to be re-qualified afterwards. The configuration of both Spider editions (including Flex installations) is supplemented in the configuration. In addition, quality reports have been added that can be used to improve data quality.
- The behavior in Spider has been adjusted for items that lead to a combined License and Maintenance (Lic + SA). The Maintenance object inherits data from the License and cannot save any different data in these fields. This Maintenance is then also coupled with the License and cannot be decoupled.

License Management

- From now on, Licenses and Maintenance will no longer be updated automatically if changed information is delivered in the Article Catalog. The synchronization now requires a separate step, which can be done either via the web interface or via the importer. Quality reports show any deviations and help to compare them. The main reason for this function change is the introduction of the "Quantity Per Unit" field on the Article. An accidental data matching would otherwise change the license number without consent. In addition, the user can now see when a synchronization takes place. Deviations, if any, are displayed in an area of the license processing page.
- The import for Maintenance objects has been improved. An existing License (License identifier) can be specified so that the Maintenance is automatically coupled with this License. This significantly simplifies the import process, since the Maintenance had to be assigned to a License in an additional step in the past.
- License and Maintenance have been expanded to include the "ExternalNumber" field. The field has been added to the configuration for all Spider editions (only for full update installations).
- In order to give the user a view of the data quality in Spider, the new report category "Quality Reports" was introduced. It contains the new reports "Licenses with inconsistent quantities", "Maintenances with inconsistent quanti-

ties", "Maintenance without end date", "Subscriptions without end date", "Licenses with deviations from the article catalog" and "Maintenance with deviations from the article catalog".

- When specifying an Update Product Version for a License, it is now also possible to cross grade to the Product Version of another Product.
- The selection list of possible downgrade versions is now sorted.
- Expired Licenses and Maintenance are now automatically set to an inactive status.
- Three new reports indicate which product versions have which ECCN (Export Control Classification Number): ECCN overview, ECCN product report and ECCN installation report.
- The Article clearing was outsourced from the License object search to the new system report "Article Clearing for Licenses".
- The Article clearing was outsourced from the Maintenance object search to the new system report "Article Clearing for Maintenances".

Software Services

- For the software products recognized by the Recognition module, a new detail page shows more information about the recognized product, evaluations of the installations and compliance data.
- It is now possible to set the priority of the import processes in the Recognition module via the Spider user interface. This function is only available from version 1.2003.1 or higher of the Recognition module.
- The manufacturer of the software found is now also displayed in the results of the software detection. It is also possible to filter according to the manufacturer or SAM priorities.
- On the "Info & Settings" page of the Software Services, an information area now shows whether a calculation is currently running in the Recognition module or when the last calculation was carried out. In addition, the duration of the calculation is output and whether there were any errors. This function is only available from version 1.2006.2 or higher of the Recognition module. In order for the info area to be displayed, at least one calculation must have been carried out for the selected client after the Recognition module update.

Oracle Database Services

- The presentation of the Oracle inventorying and recognition results has been extended. The result of the Oracle database search now shows the date of the last scan (LastScanDate). The value of the license unit is displayed in Oracle License Scope details. The value for License Unit is also displayed in the "License Scope" area in the Oracle database details.

Asset Management

- The Asset editing page has been expanded to include a function for managing the main user. The new "Manage users" button opens a dialog that shows the current main user. If other users use the device, they will also be displayed. The "Delete history" button deletes the login history up to the last 14 days. This makes it possible to define the new user as the main user on a device on which a user change has taken place, without having to wait for a longer period.
- The "Oracle Java Installations" report has been extended to include the columns "Operating System" and "Date of last scan".

Contract Management

- For Volume License Contracts without an anniversary, the field is initialized once in accordance with the applicable calculation rule: The anniversary is defined as the date that is one year from the start date in the future. If the end of the contract is earlier, the anniversary is this date.

4.3.2 Corrections

Common

- When changing form configurations or user profiles, user authorizations were not always recalculated correctly, so that users could not access individual functions and forms, even though they were authorized to do so.
- When using the Excel export function, an error occurred which caused the order of the columns in the Excel file to differ from the configuration of the columns in the search result.
- When a report was called up using URL parameter filters, the existing filters from the respective user settings were given priority, so that the URL parameter filter might have no effect.

Asset Management

- The synchronization between Spider Asset and the Recognition module has been revised so that changes to the reported devices can be determined more efficiently and the processing speed is increased. At the same time, a status change, which results from the last scan date and the preset waiting time, is now enforced in every case. Similarly, a change in the asset number is now generally enforced, provided that they should be automatically formed from the domain and host name and a change found here. There had previously been exceptions to both change scenarios, so that occasionally changes were not transferred.

License Management

- Due to an error, it was not possible to change the field SAM priority on the manufacturer via the multiple change. An error message was displayed instead.
- Due to an error, it was not possible to set an effective global filter for the SAM priority.
- If the selection page was called up during the Licence creation without specifying a search parameter, the previous filter was loaded but not displayed. As a result, the user could not see why and after what the selection list was filtered. Now in such a case all previous filters are discarded.

Software Services

- If a Software Product for a device is no longer reported by the inventory, it is now deactivated instead of deleted. In this way the selected settings for the Software Product are retained if it is reported again later.
- When viewing Software Assignments for a cloud user, an error could occur if no Employee was assigned to the Cloud User in Spider. As a result, no Software Assignment could exist. This case is now taken into account.
- For a subscription, for which a standard has been already selected, the selection could not be corrected.

4.4 Update 6.4.3 R3 (2020-05-18)

4.4.1 Improvements

Common

- In the user administration, the validity period or blocking of user accounts in Spider can now be configured even if the AD Login is used. Previously, the fields "Valid from", "Valid to" and "Locked" were only effective for user accounts that were only managed in Spider.
- For selection list entries it is now possible to enter up to 255 characters in the value field. The length of the key field remains unchanged.

Asset Management

- The results of the Cloud Account search are no longer limited to 500 results.

4.4.2 Corrections

Common

- The search function of the Spider Web API had an error interpreting the FirstRow parameter, which means that the returned search result was incomplete under certain circumstances. Customers who use the Spider Web API must check their implementation after this update.

Asset Management

- If Employees were imported via interfaces other than the Recognition module, there could be inconsistencies when assigning Cloud Accounts to Employees. The numbers of the Cloud Accounts and the summary did not match for several Products.
- Due to an error, the search function of the Employee View in Spider Asset did not return any results when filtering by status.
- The Employee View in Spider Asset did not show results if a role selector was defined.

License Management

- The service task for transferring catalog data to Spider Licence did not take certain changes in the product catalog into account. Moving a product version to another product was not supported. Furthermore, products without product versions were not deleted.
- Due to an error in the Licence search could not be filtered by contracts.
- The article catalog delivered with version 1.2003.1 of the Recognition module was incomplete and did not contain all articles. As a result, Licences and Maintenance in Spider lost their connection to the affected Articles. The article catalog was completely delivered again with the immediately following version of the Recognition module. With this Spider update all missing connections between Articles and Licences or Maintenances are restored.
- Due to an error, the bulk change of Manufacturers did not work.
- The overview page for the product catalog incorrectly indicated that not all selected Manufacturers, Products and Product Versions would have been transferred to Spider Licence.

Software Services

- Due to an error, no installations were displayed for Recognition results for which there is exactly one alternative but no Product is selected.

License Metric Procedures (LMP)

- When calculating the license requirements for Windows Server, System Center and Core Infrastructure Suite with physical servers with 1 CPU and more than 10 cores the virtual systems were not taken into account correctly. The incorrect message "Required software on host is missing" was displayed.
- The user-based license metrics procedure has been expanded to calculate license requirements for Oracle Java Client Named User Plus subscriptions. The calculation is based on the employees assigned to the assets.
- The license metric procedures "Calculation: Linux Server (Red Hat, SUSE Server)" and "Calculation: Multi Version Usage | Cross Version Usage" are activated once with this Spider Update on all Spider installations. If you do not want to use these license metric procedures, you must deactivate them manually.

4.5 Update 6.4.3 R2 (2020-02-24)

4.5.1 Corrections

Common

- An error could occur when uploading several documents in a document file at the same time. The problem has existed since the revision of the drag and drop functionality for Spider version 6.4.1. It happens that the order of the uploads does not match the order of the document names and this results in a mix-up. However, it can only occur if several documents are selected with one upload.

4.6 Update 6.4.3 (2020-02-13)

4.6.1 Improvements

Highlights

- Spider now provides an easy way to operate SAM with a focus on certain manufacturers. Not every manufacturer is relevant for every customer within their SAM. Spider introduces four priority indicators (A to D) that can be set as SAM priority for each manufacturer. An application-wide global filter only allows filtering according to the selected SAM priorities. As a result, Spider only displays data from these manufacturers, e.g. the applications, installations, compliance, etc. This allows you to focus on specific SAM priorities and hide the rest of the data from other vendors. This is a proven concept, which is already known under various names. One dimension of this concept could be the level of SAM maturity for a particular manufacturer. Another dimension could be the risk associated with a particular provider.
- As a further improvement, the freeware classification from the product catalog is automatically adopted on the product. The field freeware therefore no longer needs to be set manually and is a protected field. There is no compliance calculation for freeware products..

Common

- A new configurable service task makes it possible to update business objects (e.g. assets, licenses, maintenance, contracts) based on the results of a database view.

Asset Management

- For the asset type "Mobile device", the IMEI and telephone number of the devices supplied by the InTune Connector are now also displayed.

License Management

- The details page for cloud subscriptions has been revised and more data is displayed.
- Another calculation rule for the end of software assurance for Microsoft Select Plus contracts has been added. This calculation rule applies to volume license contracts.
- A new report for Windows 10 installations has been added, which shows the normalized Windows 10 versions and links to the respective asset. This function requires recognition version 1.1911.1 or higher.

Oracle Database Services

- The page for displaying the Oracle license scopes has been revised and more data is displayed. If there is a version change from Standard to Enterprise, an explanation is now displayed.
- The view page of an Oracle database has been completely revised. More data was added about the inventoried database instance as well as about the system on which the Oracle database instance runs.
- In the Oracle dashboard, it is now possible to download the server worksheet (as an Excel file) and the LMS raw data (as a tar.gz file). This function requires recognition version 1.1911.1 or higher.

Contract Management

- A new calculation rule updates the anniversary field for volume license contracts. If the anniversary is exceeded but the end date has not yet been reached, the field is recalculated. The new value is the old anniversary plus 12 months, unless the end date is earlier. If the anniversary is empty, then it will be filled with the start date plus 12 months, provided that the calculated date is before the end date or no end date is specified.

4.6.2 Corrections

Common

- Due to an error, it was possible to start long-running search queries several times, which led to inconsistent behavior of the result display.
- Due to an error, it was possible to create several filters for the same attribute or parameter field in object searches. This is now prevented. If search settings with several filters for the same column are available on existing systems, these are initially displayed and applied.
- Due to an error in the object search, filters on type parameters were not discarded if the limitation to the types was discarded. As a result, an error occurred.

License Management

- The details page for cloud subscriptions has been revised due to some errors. Among other things, no results were displayed for subscriptions with many user assignments. Instead, an error message was displayed.
- A product could not be assigned to software if the product name contained certain special characters.

License Metric Procedures (LMP)

- The report "Definitions for license metric procedures" has been revised. The "Type" column did not return correct results.
- A calculation error for Windows Server Core licenses on server systems with one CPU and more than 8 cores has been corrected in the license metric procedure.

4.7 Update 6.4.2 R3 (2019-10-28)

4.7.1 Corrections

General

- During installation as well as when updating Spider, the installation script of the database ran into a collation conflict if the database used a collation different from the server's default.

4.8 Update 6.4.2 R2 (2019-09-17)

4.8.1 Corrections

General

- In some circumstances, objects associated with child legal entities were not found in the object search.
- In certain circumstances, resetting the filters in a report resulted in the error message "Report not found".

Asset Management

- Due to an error in the default configuration, it was not possible to change the status of archived assets.

License Management

- When creating or editing licenses and maintenance, an error occurred as soon as a contract was assigned that was not a volume license agreement.
- The graphical representation of the compliance history was incorrect.

- The editing of self-collected articles was not possible because it came to an error when saving.
- The maintenance task of the Spider License Service to delete unused product versions ran under certain circumstances into an error that led to termination.

4.9 Update 6.4.2 (2019-07-09)

4.9.1 Improvements

License Management

- The article catalog has been enhanced with the following information: Platform (OS platform of the article), ECCN (Export Control Classification Number), RRP (Recommended Retail Price).
- If an article from the catalog is selected when creating a license or maintenance, it can now be filtered by the license program.
- For licenses and maintenance that are linked to an article from the article catalog, the user interface displays an information area with fields from the article.

4.9.2 Corrections

General

- When reports with filters encoded in the URL were called, an error occurred in the Filter panel of the UI, with the filters showing multiple times.
- Due to an error the administration page that is used to set report permissions did not show any reports.
- Reports now have a "discard filter" button again.
- Due to an error, the first column in the grouping dialog could not be selected for grouping on search pages. (However, the grouping by drag and drop worked.)
- For certain search pages, it was possible that the list of fields to be filtered was empty when the search was triggered using the Enter key.
- It is now possible again to pre-set filters when calling search pages using URL parameters.
- For Resubmissions, the "discard filter" button did not work if the page was not called in the context of a parent object.

Asset Management

- An error in the synchronization process between Spider Asset and the Recognition module temporarily blocked the asset table in the database.
- The Remote Client Administration overview now only shows clients identified within the last 90 days. An incorrect determination of remote software associations under the 90-day rule for applications used on terminal servers has been corrected.

License Management

- The assignment of maintenance to a volume license agreement did not work reliably and has been overhauled. The valid-to date will only be applied if "Software assurance fixed to contract end" is selected in the linked contract. If the valid-from date is changed, it will be checked if it is within the start and end date of the contract.
- The assignment of licenses to a volume license agreement did not work reliably and has been overhauled. The valid-to date will only be applied if either "Subscription" or "Lease agreement" is selected in the connected contract as "Type of Procurement". In this case, the field can not be changed anymore. If changes are made to the license, the affiliated contract may be reviewed and the valid-to date re-accepted. If the valid-from date is changed, it will be checked if it is within the start and end date of the contract.

- Under certain circumstances, the standard products activated in the volume licensing agreement were not taken into account by the license metric procedures.

Contract Management

- For Tasks, the "discard filter" button did not work if the page was not called in the context of a parent object.

4.10 Hotfix 6.4.1 HF2 (2019-03-08)

4.10.1 Corrections

General

- If ADPrefixName or FullQualifiedDomainName modes were used for AD logon, user records could not be edited because of an error message.
- The object search could not filter for fields with EntityType configuration.
- Under certain circumstances, a pager was displayed on search pages, although there were few records in the search result.

License Management

- The Excel export of existing installations of a product as well as the Excel export of manufacturers did not work.
- The display of the existing installations of a product could generate a timeout error for larger amounts of data.

Contract Management

- For some Spider installations, an error occurred while updating through the setup. The cause was a script error related to the Volume License Contracts.
- If the Recognition module was updated after Spider, the connection between Spider Contract and the Recognition module was not set up correctly.

4.11 Hotfix 6.4.1 HF1 (2019-01-18)

4.11.1 Improvements

License Management

- Software assignments to employees created by portal assignment do not have an assigned business unit. Since it can be assumed that the associated licenses always have an assigned business unit, the compliance was not calculated correctly. A license can now be distributed without a business unit to cover employee software assignments.

4.11.2 Corrections

General

- The search did not provide results in some circumstances, but a message that an error had occurred.

Asset Management

- When updating from Spider 6.4.0 to 6.4.1, the database script failed.
- When updating from Spider 6.4.0 to 6.4.1, the FormDefinition for the asset type "Unkown", which is required for the functional area Terminal Server or Remote Client, was not added under certain circumstances.

4.12 Update 6.4.1 (2018-12-21)

4.12.1 Improvements

Important innovations for SAM

- With the new contract type “Volume Licensing Contract” extensive new SAM functions are introduced. The update adds this contract type in general, even for customers without a full update edition and must be authorized on those installations if required.
 - The volume license agreement can be used to describe standardized products (enterprise products). These products are defined as standard products throughout the whole company. Their licensing is based on contractually agreed characteristics. A dedicated license metric procedure ensures the correct calculation. For these products, no license requirement is reported.
 - In the future, content-based templates will be used to store standard volume license agreements in the system, which will make it easy to enter corresponding contracts. For example, possible standardization products will be available for selection.
 - A volume license agreement can be associated with several enrollments, each referring to different business units (branches).
 - Licenses can be created directly from the volume license agreement. In the case of the license and maintenance system, if the volume license agreement terminates, the end of the contract is assumed and applied (e.g. end of maintenance, end of license for rental licenses).
- A new report shows Oracle Java SE versions installed on clients and servers. These are displayed as normalized software products, e.g. Java SE 8 u131, Java SE Development Kit 8 u151, Java SE 7.x etc. For virtual systems, if available, the underlying host system is displayed. This report helps identify which systems use Oracle Java. The interpretation is based on the underlying inventory data. For Windows based system, the installed programs provide a good overview. Unix / Linux systems require additional inventory extensions. The Columbus Datacenter Inventory solutions will be expanded accordingly.
- For a consistent and easy processing of OEM licenses, the following functions have been added: When importing OEM licenses, the serial number of the computer system can be specified. This can usually be found in the order items. Based on the serial number, if uniquely identifiable, the asset is automatically linked to the OEM license. OEM licenses are only processed as compliance relevant if there is a linked asset and it has an active status. OEM licenses of inactive assets are therefore no longer processed in the compliance calculation. If no asset is linked to an OEM license, it will not be processed in the compliance calculation. The business unit of the OEM license is aligned with the business unit of the asset.
- Spider has been extended for automated processing of consumed applications to Remote Desktop Services (Terminal Server, Citrix). The following functional scope was added or completed:
 - The Inventory and Metering of Remote Desktop Services (Terminal Server) will continue to require Columbus Datacenter Inventory on the Windows Server. The metering function identifies and transmits accessing users and remote clients.
 - The remote clients identified in this way are listed in a new area in the Spider Web UI. In addition, the remote clients will be connected with an asset by matching the host name, if possible.
 - From the SAM point of view, the accessing systems are usually to be licensed, so a complete view of the accessing remote clients to assets is required.
 - A regular background service will check, if an asset can be found based on the host name and then link it automatically. If multiple assets are found based on a host name, the user can specify to which asset the remote client will be linked.
 - For all remote clients for which no asset can be determined, functions for mass creation of new assets (Unknown or Template Assets) are available. This can happen, for example, if the complete inventory is not available in Spider, when using thin clients or accessing external computers.
 - Built-in reconciliation makes management, auto assignment, and adding missing assets very easy.

- Regular synchronization makes used applications on Remote Desktop Services visible as remote software usage on the linked assets.
- The License Metric Procedures (LMPs) harmonize the license demand of locally installed products and their use on Remote Desktop Services.
- It is also possible to activate the 90 day rule. In addition, you can set after which waiting period unused applications on Remote Desktop Services are removed from the accessing assets.
- This transparency makes it possible to determine the effective consumption of software on Remote Desktop Services and to take it into account in the compliance calculation.

General

- With Spider 6.4.1 the upload function for documents will be renewed. User systems and browsers that access Spider no longer need to support JAVA applets. Instead, it is necessary that the browser used is HTML5 enabled. It is still possible to upload documents and files from the file system using drag & drop. Drag and drop directly from Outlook is no longer supported.
- The Spider Web API now better supports concurrent access to objects. If, when changing an object, the read sysUpdateDate field is specified, the Web API ensures that the object has not been changed since reading out. Thus, interim changes cannot be accidentally overwritten by re-editing. If the sysUpdateDate field is not specified, the new changes will be made anyway.
- So far, it was possible in the Spider Web API, that one can administrate users without tenant linking. Due to the current customization, the original routes are marked as obsolete and should not be used if possible. As a new alternative, new routes with client information are provided. This ensures that the managed user and the Web API user are assigned to the same tenant.
- With Spider 6.4.1, a button for easy reset of the set filters is again introduced on search pages.
- In the new object searches introduced with Spider 6.4, you can now also search for results that are not equal to the filter value.

Asset Management

- The employee display form (EmployeeView) now also supports the new search technology introduced with Spider 6.4.

License Management

- It is now possible to derive a new article from an existing catalog article.

Software Services

- The "AD Groups" section has been removed from the Software Services results pages and added to the main menu as a stand-alone menu item.

License Metric Procedures (LMP)

- In the future, content additions to the license metric procedures will be delivered via the Software Services. These are the LMP definitions that describe, among other things, definitions for suites and other LMP features. The monthly software service updates provide faster delivery of extensions and changes. Only from this Spider version the LMP definitions supplied by the Software Service can be used.

4.12.2 Corrections

General

- The performance of object indexing has been significantly improved.

- If the bulk change feature was selected, it could cause the user interface to be locked so the user had to use the back button on the browser.
- The Excel export of certain reports was not filtered correctly by tenant (mandator).
- After switching to the new search technology introduced with Spider 6.4, the configuration key "EnableLegalEntityAuthorisation" was not evaluated correctly.
- The installer had not issued a warning if ASP.NET was not registered in IIS on the application server.

Asset Management

- Asset search results were not filtered correctly when the search page was called via the Inventory dashboard.
- The Vulnerability Report for MS17-010 (WannaCry) can now also be filtered by Legal Entity.

License Management

- Due to a rendering error, the progress plots on the Compliance pages on the Y axis displayed only a portion of the numbers to be displayed..

Software Services

- When transferring cloud subscriptions from the Recognition module to Spider Asset, errors could occur under certain circumstances.
- The Cloud subscriptions search page contains the "Used" column. The calculated value contained besides the used accounts also the suspended accounts as well as accounts with warning. Since this could lead to confusion, the column now only contains the number of accounts used.

License Metric Procedures (LMP)

- There was an error in the license metric procedure for secondary use rights that could cause an endless execution.

4.13 Hotfix 6.4.0 HF 4 (2018-10-15)

4.13.1 Improvements

License Management

- When creating licenses and maintenance without explicitly selecting an article, the article could be linked to the license or maintenance by specifying the article number afterwards. However, this automatic coupling only worked if there was exactly one article for the article number. Now it is possible to declare a custom article as the preferred article. This is then used in case of ambiguity for the coupling.

4.13.2 Corrections

Common

- Grouping by Legal Entity in an object search led to their ID being displayed instead of the Legal Entity's path. This has been fixed for both the table and the diagrams.
- Certain configurations of parameter and type fields caused problems with displaying, filtering, and grouping in the new search UI. This has been corrected.
- In the case of the "New: copy values" function, an error could occur for certain objects, which could possibly lead to either the newly created object being assigned to an incorrect higher-level object or a permission error being displayed.

- The filter settings of report favorites from Spider installations prior to version 6.4.0 were not properly reflected in the new report page. This has been adjusted.
- Under certain circumstances, the field names in the field selection dialog of a report have not been translated or translated correctly.
- Exporting search results to an Excel / CSV file ignored the field selection.
- Selecting a category in the dialog for creating a favorite did not work, whereby existing favorite categories were not displayed.
- Using favorites for object searches was not working from the favorites summary page. Furthermore, the favorite filters were incorrectly removed when the favorite grouping was canceled. Both errors have been fixed.
- The extended functions of the New button ("New: select type", "New: <Object type>", "New: copy values") were not available if the user was authorized by profiles only.

Asset Management

- The report "Assets with current scan information but inactive status" now excludes devices that were last scanned more than 90 days ago.
- When copying an Asset ("New: copy values"), the Function Unit, the UUID, the Recognition link, the last scan date, and the last import date were also copied, if any. These values will no longer be transferred to the copy.

License Management

- Viewing product versions by business unit caused a database error under certain circumstances.

License Metric Procedures (LMP)

- When calculating the secondary use rights in conjunction with MSDN licenses, too little license consumption was determined.

SAM Cloud Edition

- In the SAM Cloud configuration, the menu entry for the administration page of the Data Collector download was missing.

4.14 Hotfix 6.4.0 HF3 (2018-09-03)

4.14.1 Corrections

Common

- It was not possible to select profiles when authorizing saved Advanced Searches.
- A search restricted to a type returned no results but an error message when role selectors were active.
- If a filter with a wildcard was specified for a parameter field, an error occurred in the object search.
- The Excel export of search results failed if the result contained parameter columns.
- Object fields configured as Entity Type could not be added to the field selection in the search because they were not listed.
- The column names of reports were not translated correctly during the Excel export.
- Business units could not be moved if profiles were assigned.

License Management

- For spider installations without a recognition module, the manufacturer filter of the article catalog search page did not work.
- For spider installations without a recognition module, product versions may have been incorrectly deleted under certain circumstances.

Contract Management

- Due to an error, the contract search showed redundant results even if the column "Contractual Party" was hidden.

License Metric Procedures (LMP)

- The license metric procedure "Cleansing: Multiple Assignments of the Same Product Version" did not always identify a multiple license requirement for the same product version on an asset. The license metric procedure has been revised.

4.15 Hotfix 6.4.0 HF2 (2018-08-13)

4.15.1 Corrections

Common

- In the field selection of the object search, some fields were shown twice.
- The Excel export did not work in some reports.
- Under certain circumstances, a session in the user interface could prematurely abort.
- When using selection controls with search function it was not always possible to select the desired search result item due to the result sorting and the limitation of the result display. The behavior of these controls has been changed to place the search result, which fully matches the search term, at the top of the results list. This change relates to the ComboBox, the CostCentre control, the ObjectSelection and the PermissionSelector of the advanced search.
- Due to an error in the installation routine, Spider installations consisting only of Spider Core and Spider Contract could not be upgraded to version 6.4.
- Due to an error in the object search, linked columns were displayed in the search result with the ID instead of the identifier.
- In the Bulk Change, the Location control was displayed without caption.

Contract Management

- Due to an error in the contract search, contracts were displayed multiple times in the result set as soon as the "Type of contract" field was present in the search result.

Software Services

- Due to an error, the list of pre-defined program assignments also showed custom assignments.

4.16 Hotfix 6.4.0 HF1 (2018-07-06)

4.16.1 Corrections

Common

- Certain object searches (especially Product search and Product Version search) failed when the SortResult setting in the configuration was set to True.

- Due to an error, in certain configuration scenarios no parameter fields could be displayed in the search. Note: When using an Entity Type on a Parameter field, it is necessary to specify a Bound Column.
- Due to an error, report filters passed as URL parameters were not properly supported.
- Due to a database error, changes in the object field configuration could result in an error message if Spider Admin was run by a user other than the database administrator.

Asset Management

- Due to an error in the default configuration, forms for the asset type "Mobile Device" were incorrectly titled "Desktop".

SAM Cloud Edition

- When updating SAM Cloud installations, migrating user role assignments to user profile assignments failed.
- In the SAM Cloud Edition, the archived filter was not displayed in the asset object search. As a result, it was not possible to search for archived assets.
- In the SAM Cloud Edition the administration form for Data Collector download page could not be reached due to lack of role permissions.

4.17 Update 6.4.0 (2018-06-08)

4.17.1 What is new in Spider 6.4?

New search functions

The search functions in Spider 6.4 have been completely redesigned. A new and innovative user interface concept now also allows a freely selectable combination of different filters in property searches. The biggest change, however, is that from now on both search pages and in reports multiple nested groupings are possible. In addition, you can switch from the results display to a chart view with drill-down features.

GDPR compliance

In order to comply with the provisions of the European General Data Protection Regulation (GDPR), various adjustments were made to Spider. Since the GDPR demands data minimization and stipulates that personal data may be stored only if they serve a specific operational benefit, Spider's standard configuration has been revised and unnecessary fields have been removed. In addition, a data deletion mechanism has been implemented to automatically clean the "RecycleBin" tables in each Spider database.

The GDPR also stipulates that persons must be given information about the data stored about them on request. Spider users can call up a self-assessment. Information can also be generated for employees who are not Spider users.

Also new is the imprint, which can be customized. Likewise, a cookie notice and a privacy policy can be deposited. Both the Cookie Notice and the Privacy Policy must then be approved in order to use Spider.

Web API

As of Spider 6.4, a REST standard based programming interface - Spider Web API - is provided. On the one hand, it serves the better integration of Spider and Columbus products among each other, but on the other hand, above all, the integration of Spider with existing customer and third-party systems.

The Spider Web API allows you to perform search queries, request reports, and create, modify, assign, detach, and delete objects. The Spider Web API is an integral part of Spider 6.4 and is immediately available after installation.

The Spider Web API has its own documentation section with information about all features, their parameters, and return values. For testing and development purposes, the Spider Web API Explorer is available. This makes it easy to get started with the use of the interface and also to facilitate the analysis of possible errors. For in-depth development work, such as the construction of new interfaces, Swagger is available.

Authorization concept

For Spider 6.4, the authorization concept has been extended. Previously, users had to be assigned the permissions separately for each application. There were no cross-application roles. This gap is now closed by the introduction of profiles. A profile bundles multiple application roles, allowing you to centrally manage and assign all permissions required for a specific role.

Among other things, this enables the tasks of the system administrator and the user administrator to be separated. The system administrator defines the roles and authorizations and combines them into profiles. The user administrator can assign the profiles to the users and does not need to have in-depth knowledge of the system.

Profiles do not replace roles, but only summarize them. Form permissions are still assigned to roles. Business units can be given either roles or profiles.

Catalogs

Spider 6.4 eliminates monthly updates to the software catalog. The catalog contents will be delivered and installed in the future with the Recognition module. Thus, the monthly execution of an additional setup can be eliminated. The prerequisite for this is the Recognition module with version 1.1805.2.

4.17.2 Improvements

Common

- A new user interface concept for searches was introduced including a new filter area, groupings and graphical evaluations. **IMPORTANT:** For customer-specific search views, the upgrade notes regarding the fields "MandatorID", "LegalEntityID" and "sysArchived" must be strictly observed!
- A new REST standard based Web API has been introduced, which is now an integral part of every Spider installation. (For more information, see the chapter "Web API" in the document "Spider - Technical Reference".)
- A new authorization concept allows the combination of multiple roles to profiles.
- In the Service Journal, the activities of the individual Spider Services are logged. So far, there was no function to clean up the journal of legacy data. Now all service journal entries older than 3 months are automatically deleted.
- The administration pages for the documentation entries have been revised to better match the usual user guidance.
- The support information displayed on the info page was previously only language-dependent. Now a language and country specific configuration can be configured. Instead of the two-letter language code, a combination of two-letter language code and two-letter country code must be specified in such a case.
- The minimum requirement for installing Spider 6.4 is the Microsoft .NET Framework 4.7.2.
- The minimum requirement for installing Spider 6.4 is Microsoft SQL Server 2012.
- The minimum requirement for installing Spider 6.4 is Microsoft Windows Server 2012.

GDPR

- Spider 6.4 provides a new GDPR employee information page and a new GDPR self-information page for users.
- The default configuration for the employee object has been reduced. The following fields are no longer delivered and will be removed when updating from Full-Update Editions to Spider 6.4. The fields remain in the data table. All permission and visibility have been removed. If there is a customer-specific purpose that justifies processing the data, for customers using the Flex edition of Spider it is still possible to display and the fields in question:
 - Title
 - StaffNo (Active Directory: StaffNo)
 - PhoneNo (Active Directory: PhoneNo)
 - MobilePhoneNo (Active Directory: MobilePhoneNo)
 - DateOfEntry
 - DateOfEmission
 - FaxNo
 - PrivatePhoneNo
 - Department
 - Location
 - Country
 - CountryCode
 - State
 - StreetAddress
 - PostalCode
- The default configuration for the asset object has been reduced. The following fields contain additional technical information for which there is no specific use in the standard. These fields are no longer removed and will be removed when Spider 6.4 is updated from Full-Update editions. The fields remain in the data table. All permission and visibility have been removed. If there is a customer-specific purpose that justifies processing the data, for customers using the Flex edition of Spider it is still possible to display and the fields in question:
 - IPAddressV4
 - IPAddressV6
 - MacAddress 1-4

Asset Management

- The asset classes "Azure Server" and "Azure Client" have been added to the default configuration.

License Management

- Standard reports were supplemented for a portfolio evaluation of the software products used. The Software Services now include UNSPSC classifications per software product. The portfolio analysis allows filtering according to defined UNSPSC classes and a multi-level drill-down.
 - Overall overview according to UNSPSC classes
 - Overview software products according to UNSPSC classes
 - Overview installations for software products with UNSPSC
- The product and article catalog will be released and installed together with the recognition module in the future.

Software Services

- The automated assignment of Software Packages to Assets is now also possible through AD group membership of AD computers.
- The calculation of the overview of Subscriptions (cloud) has been fundamentally redesigned so that a significant speed improvement could be achieved.
- The Data Collector download page provides cloud customers with the ability to download the Data Collector directly from the Spider interface. Previously, the files had to be stored on the application server. Now the files can be uploaded directly in the administration area of the Spider user interface. A copy operation on the application server is no longer required.

License Metric Procedures (LMP)

- For selected products from Red Hat Linux and Suse Linux Enterprise Server, an automatic license requirement calculation has been supplemented by a separate license metric procedure. Linux products are subscription models that can be used on physical, virtual or even cloud systems, depending on the product. The following products are supported:
 - Red Hat Enterprise Linux Server (Product Specific)
 - Red Hat Enterprise Linux Server for Virtual Datacenter (Product Specific)
 - Red Hat Enterprise Linux Server incl. Smart Management (Product Specific)
 - Red Hat Enterprise Linux Server for Virtual Datacenter incl. Smart Management (Product Specific)
 - Red Hat Enterprise Linux Server Entry Level (Product Specific)
 - Red Hat Enterprise Linux Server Entry Level incl. Smart Management (Product Specific)
 - Red Hat Enterprise Linux Server for HPC (Product Specific)
 - Red Hat Enterprise Linux Server for IBM Power (Product Specific)
 - Red Hat Enterprise Linux Server for IBM Power incl. Smart Management (Product Specific)
 - Red Hat Enterprise Linux Server for IBM System z (Product Specific)
 - Red Hat Enterprise Linux Server for IBM System z incl. Smart Management (Product Specific)
 - Suse Linux Enterprise Server for x86-64 (Product Specific)
 - Suse Linux Enterprise Server for x86-64 unl.VM (Product Specific)
 - Suse Linux Enterprise Server for POWER (Product Specific)
 - Suse Linux Enterprise Server for ARM (Product Specific)
 - Suse Linux Enterprise Server for ARM unl.VM (Product Specific)
- For the Abbyy FineReader product versions, suite definitions have been added that do not require additional licenses for concurrently installed and suite-containing products. Suite Definitions have been added for the following product versions:
 - FineReader Corporate Concurrent-User
 - FineReader 1 Corporate Concurrent-User
 - FineReader 1 Professional Device
 - FineReader 2 Corporate Concurrent-User
 - FineReader 2 for ScanSnap Device
 - FineReader 2 Professional Device
 - FineReader 3 Corporate Concurrent-User

- FineReader 3 for ScanSnap Device
 - FineReader 3 Professional Device
 - FineReader 4 Corporate Concurrent-User
 - FineReader 4 for ScanSnap Device
 - FineReader 4 Professional Device
 - FineReader 5 Corporate Concurrent-User
 - FineReader 5 Office User
 - FineReader 5 for ScanSnap Device
 - FineReader 5 Professional Device
 - FineReader 6 Corporate User, Concurrent-User
 - FineReader 6 Professional Device
 - FineReader 7 Corporate User, Concurrent-User & Device
 - FineReader 7 for ScanSnap Device
 - FineReader 7 Professional Device
 - FineReader 8 Corporate User, Concurrent-User & Device
 - FineReader 8 Professional Device
 - FineReader 9 Corporate User, Concurrent-User & Device
 - FineReader 9 Professional Device
 - FineReader 10 Corporate Site, User, Concurrent-User & Device
 - FineReader 10 Home Device
 - FineReader 10 Professional Device
 - FineReader 11 Corporate User, Concurrent-User & Device
 - FineReader 11 Professional Device
 - FineReader 12 Corporate User, Concurrent-User & Device
 - FineReader 12 Professional Device
 - FineReader 14 Corporate Site, User, Named-User, Concurrent-User & Device
 - FineReader 14 Enterprise User, Named-User, Concurrent-User & Device
- A "Suites and other bundles definition lists" report has been added to show the definition of suites and other lists of products used by the LMPs for the automatic license requirement calculation. The report enables filtering and displays the product definitions containing those suites and bundles. For example it is possible to determine which products are part of a suite definition, or for which product versions a specific calculation is used.

Oracle Database Services

- The integration of the data center module (eRunbook Appliance) has been completely reworked. Datacenter modules can be registered via the Spider Web UI. With Spider multi-tenant systems, the data center functionality can be set for each tenant separately. The new multi platform inventory components deliver their data alternatively to a Spider Data Collector (SDC) or a Columbus Infrastructure. The further processing of the inventory data is fully automatic.

4.17.3 Corrections

Common

- On systems with large amounts of data, there was a malfunction of bulk imports through which the IDs of the imported records could not be validated. This mistake was particularly noticed with the bulk import of recognized products. Nevertheless, it could also affect other objects such as software associations.
- The error handling in the case of non-accessible databases had to be revised. An incorrect error message was displayed under certain circumstances.

License Management

- With bulk import of licenses and maintenances, assigned contracts could not be imported.

Software Services

- The overview of the subscription (cloud) could not be opened because of a time-out error.
- The summary of recognized products also summed up installations of assets with inactive status. The detail list, on the other hand, only showed installations of status-active assets, so there was a difference. This has been changed: The overview will also only show installations of status-active assets in the future.

License Metric Procedures (LMP)

- For the Microsoft 365 E3 / E5 products, the definition of containing products has been completed. For employees no additional licensing requirements will be calculated for a separately assigned Office 365 E3 / E5 or a user-licensed Windows Enterprise, as they are already covered via Microsoft 365.

5 Release History Spider 6.3

5.1 Update 6.3.8 (2018-07-03)

5.1.1 Improvements

This update is particularly intended for customers who cannot yet upgrade to Spider 6.4, but need the GDPR features.

GDPR compliance

In order to comply with the provisions of the European General Data Protection Regulation (GDPR), various adjustments were made to Spider. Since the GDPR demands data minimization and stipulates that personal data may be stored only if they serve a specific operational benefit, Spider's standard configuration has been revised and unnecessary fields have been removed. In addition, a data deletion mechanism has been implemented to automatically clean the "RecycleBin" tables in each Spider database.

The GDPR also stipulates that persons must be given information about the data stored about them on request. Spider users can call up a self-assessment. Information can also be generated for employees who are not Spider users.

Also new is the imprint, which can be customized. Likewise, a cookie notice and a privacy policy can be deposited. Both the Cookie Notice and the Privacy Policy must then be approved in order to use Spider. Spider 6.4 provides also a new GDPR employee information page and a new GDPR self-information page for users.

License Management

- Standard reports were supplemented for a portfolio evaluation of the software products used. The Software Services now include UNSPSC classifications per software product. The portfolio analysis allows filtering according to defined UNSPSC classes and a multi-level drill-down.
 - Overall overview according to UNSPSC classes
 - Overview software products according to UNSPSC classes
 - Overview installations for software products with UNSPSC

Software Services

- The automatied assignment of Software Packages to Assets is now also possible through AD group membership of AD computers.
- The calculation of the overview of Subscriptions (cloud) has been fundamentally redesigned so that a significant speed improvement could be achieved.

5.1.2 Corrections

License Management

- With bulk import of licenses and maintenances, assigned contracts could not be imported.

Software Services

- The overview of the subscription (cloud) could not be opened because of a time-out error.
- The summary of recognized products also summed up installations of assets with inactive status. The detail list, on the other hand, only showed installations of status-active assets, so there was a difference. This has been changed: The overview will also only show installations of status-active assets in the future.

5.2 Hotfix 6.3.7 HF2 (2018-06-08)

5.2.1 Corrections

Common

- On systems with large amounts of data, there was a malfunction of bulk imports through which the IDs of the imported records could not be validated. This mistake was particularly noticed with the bulk import of recognized products. Nevertheless, it could also affect other objects such as software associations.

License Metric Procedures (LMP)

- For the Microsoft 365 E3 / E5 products, the definition of containing products has been completed. For employees no additional licensing requirements will be calculated for a separately assigned Office 365 E3 / E5 or a user-licensed Windows Enterprise, as they are already covered via Microsoft 365.

5.3 Hotfix 6.3.7 HF1 (2018-03-28)

5.3.1 Improvements

Software Services

- For a better understanding, the term "External Accounts" has been changed to "Accounts (Cloud)". Likewise, the term "Cloud Subscriptions" has been changed to "Subscriptions (Cloud)".

License Metric Procedures (LMP)

- The license metric procedure for VMware has been extended: VMware Workstation Pro includes VMware Player.

5.3.2 Corrections

General

- Under certain circumstances, links in data grids did not display correctly.

Asset Management

- For Assets, the bulk change wizard incorrectly displayed an inoperable "Type Change" field. This field will no longer be displayed. The Asset type change is currently only supported by the bulk import or by the dedicated type change wizard, which can be started from the page "Edit Asset".

5.4 Update 6.3.7 (2018-03-14)

5.4.1 Improvements

Asset Management

- The change of the type of an Asset is now possible both via a special wizard and via the bulk import: All you have to do is specify the new Asset type. All subsequent bookings are automated. All type parameters are deleted. At the same time, the type of the FunctionUnit of the Asset is also changed.

In order to be able to perform the type change by bulk import, a column with the name "Type change" must be specified in the Excel file. The content of the column is the translated type name.

- A new vulnerability report provides details of devices likely to be affected by the Specter or Meltdown vulnerabilities, allowing an assessment of the vulnerability. Prerequisite for this are the February releases of the software service components (Recognition and SDC). These must first be updated.
- Note: The term "base product" has been replaced by the term "software product" in the user interface and all reports.
- The list of installed Programs for an Asset has been revised.

Software Services

- New is an implementation for application virtualization via packages. First, Microsoft App-V is supported. (Later versions will also include virtualization solutions of other manufacturers.) App-V Packages and AD Group permissions can be read out via standard connectors and imported via the Recognition module. The synchronized packages, AD Group assignments, and application usage data are displayed in the UI. The assignment of Software to a Package automatically leads to the creation of SoftwareAssignments (remote) to the Assets of the users, which are determined by the AD groups. When calculating the license requirements through the license metric procedures (LMP), it is taken into account that local installations may also be present. Two standard reports are provided for the evaluation of the application usage.

Notes: (1) The prerequisite for reading and importing Microsoft App-V data are the February releases of the software service components (Recognition and SDC). These must first be updated. (2) The (obsolete) SoftwarePacket data object is removed from Spider with version 6.4. Until then, a migration of the SoftwarePacket data to the new Package data object will be possible.

- For the representation of the cloud subscriptions (Microsoft, Adobe) a separate area is introduced in the user interface. It contains an overview of all cloud subscriptions with status information. A detail page shows a comparison of subscribed, used, and available quantities for individual cloud subscriptions. From the average prices of the product the monthly costs are calculated. The assigned accounts can be viewed as a list on the cloud subscription. For each record, it is also determined whether an employee is assigned from the employee master record and whether the account is marked as inactive in the local Active Directory or in the online portal. Another detail page shows the assigned subscriptions with status for individual accounts. For Microsoft Accounts, the service plans that apply to the account are displayed.
- The synchronization process between the Recognition module and Spider Core has been redesigned to better aggregate employee data from multiple import sources.

License Metric Procedures (LMP)

- A new license metric procedure has been introduced for the calculation of standardization products from Microsoft Campus EES contracts. It affects the metrics Academic User and Student User. For enterprise customers, it has no effect or side effects. Universities wishing to get a compliance calculation of their EES contracts should contact our support or consulting teams.
- The license metric procedures have been extended to calculate the Microsoft SQL Server 2017 editions.
- The license metric procedures have been extended to cover the Microsoft Core CAL Suite and the Microsoft Enterprise CAL Suite (user based and device based). The CALs for the individual products contained in the CAL suites do not cause any additional license requirements.
- The license metric procedures have been extended to support the calculation of Microsoft 365 E3, Microsoft 365 E5. The containing products and CALs do not cause additional license requirements.
For the Microsoft Enterprise Mobility Security (EMS) products, the Windows Server CAL was added.
- The license metric procedure "Microsoft Remote Use" has been improved in runtime behavior for very large environments (> 40,000 systems).

Oracle Database Services

- The Oracle Dashboard has been redesigned: The list of License Scopes now shows the license requirement. In addition, the calculated license values are shown if average prices have been stated on the Products. If a license state-

ment can not be made for individual databases due to incomplete scan data, these will be listed in a separate list "Database instances without license scope".

- The Oracle License Scope details page has been revised: The calculated license values are displayed for the products, options or packs detected, provided that the products have average prices.

5.4.2 Corrections

General

- The JAVA applet for the drag-and-drop upload expires on 18.03.2018 and therefore had to be replaced.
- Selecting a document template for document generation resulted in a serious exception error in Spider Asset and Spider License.
- When updating to Spider 6.3.6 HF2, a database error could occur if document templates were previously deleted.

Asset Management

- An error prevented the object type from being resolved during the XML import of FunctionUnitRelationships.
- The manufacturer filter did not work in the list of installed programs on a device (asset).
- In the form for assigning Software to Active Directory groups, the "Save" button was not activated in some circumstances due to an error.
- The "Assets with current scan information but inactive status" report returned no results.
- The report "Recognition: Found programs" has been revised: Inactive assets are no longer considered.
- The report "Recognition: Detected files per device" returned no results.

License Management

- In the compliance overview for a product, not all business units with license entitlements were displayed in the "License Entitlement" table.
- In the compliance overview for a product, downgrade for roaming was not included in the "License Entitlement" table.
- Under certain circumstances, license metrics were created twice.
- When creating a new License Key by copying the values from an existing an error occurred.
- In the Licence Maintenance Wizard multiple selection did not work.
- If a role was deprived of the right to split Licences, the corresponding button was not functional but still visible.

Contract Management

- When updating a Spider Contract database, an error could occur if additional parameter columns have been defined for the contract table.
- The Total Payments field in the Payment Plan form displayed an incorrect value.

Software Services

- Due to an error in the synchronization process between the Recognition module and Spider Core, no parameters were transferred to the employee.

License Metric Procedures (LMP)

- The license metric procedure "Microsoft Remote Use" has been adjusted. If a newer version is running on a terminal server (same edition) than is installed on the system, the license requirement of the higher version of the terminal server is output. The local installation does not indicate a license requirement in this case.

- The license metric procedures "Microsoft Server" and "Microsoft Virtualization" have not always cleaned up a generated hint text. This has been corrected.
- For earlier Creative Cloud suites, the Acrobat XI Pro can also be used as part of the suite. This will now be considered in the license metric procedure.
- The same software can be used on assets simultaneously as a local installation and as remote use (e.g. Terminal Server, App-V packages). The automatic calculation of the resulting license requirement has not taken into account all cases. As a result, under certain circumstances, the same software that is remotely used has been counted multiple times. This has been corrected.

Oracle Database Services

- Under certain circumstances, the Oracle License Scope object search did not show any results.
- The search page for Oracle database instances also incorrectly displayed entries with Standard Edition 2 (SE2) when filtered for Standard Edition (SE).

5.5 Hotfix 6.3.6 HF2 (2017-12-01)

5.5.1 Improvements

License Management

- The form for browsing the article catalog has been further improved. The global manufacturer filter is taken into account unless another manufacturer has been selected. For manufacturers without a name, the manufacturer code is displayed.

5.5.2 Corrections

General

- A cross-site scripting vulnerability (XSS) in a configuration form has been fixed.
- A cacheable HTTPS Response vulnerability of certain web services has been fixed.
- Due to an error, from version 6.3.6 HF1, misleading messages regarding the authorization were displayed when starting a bulk import.
- Due to an error deleting users was prevented under certain circumstances.
- Due to an error deleting text modules was prevented under certain circumstances.
- Due to an error in the determination of authorizations, it was possible that after an update of the spider installation, both the bulk import and the bulk change did not work anymore.

Asset Management

- The report "Employee with non MSDN systems" has been revised since it contained some incorrect results and it was too slow.

License Management

- On the Product Edit page, the number of installations was incorrectly linked, so clicking on the link did not lead to the list of installations.
- On the Compliance Dashboard, wrong numbers for installations of products were displayed.
- Due to an error, some data was not displayed in the compliance progress analysis.
- Due to an error, under certain circumstances not all manufacturers could be selected in the manufacturer's filter on the browse article catalog page.

Oracle Database Services

- The report "Oracle License Scope: license relevant products" was incomplete, as the Oracle Database Standard Edition (SE) was only partially considered.

5.6 Hotfix 6.3.6 HF1 (2017-11-08)

5.6.1 Corrections

License Management

- Due to an error, the dialog for selecting a manufacturer filter was displayed without content.

Software Services

- Due to an error the global filter for Legal Entities was displayed in the list of software of an asset for which metering data are available, as well as in the metering details of the installations. The filter should not have been shown on these forms and was also ineffective there.

5.7 Update 6.3.6 (2017-11-02)

5.7.1 Improvements

General

- For the document generation, text modules can now also be defined and embedded in Microsoft Word template files. For each module several text variants can be defined. When setting up a document to be generated, the variants of the embedded text modules are available for selection via a dialog-based wizard. This new feature is available for all applications. Especially for contract management, the flexibility in contract-based document generation is significantly improved by the text modules.
- The object history maintenance service has been optimized to allow faster revision of very large amounts of data.

License Management

- When displaying the Licenses assigned to a Maintenance, the license volumes are now also displayed.

Software Services

- The current release extends the automatic integrated processing of cloud-based user subscriptions such as Microsoft Office 365 or Adobe Creative Cloud products. The following areas are affected by the enhancement:
Which cloud user belongs to which employee or Active Directory user? The users of the cloud portals are automatically linked to the employee base via various mechanisms, if possible. At best, employees will be imported via the Active Directory Connector. For users of the cloud portals who can not be linked automatically, a simple manual linking option is provided.
Which cloud product corresponds to which licensed product? The Recognition module has been enhanced with the ability to evaluate cloud-based products. For cloud products that are not automatically interpreted, it is possible to link them manually.
Who uses which subscriptions? Which user uses which subscriptions both as a simple evaluation on the data read out of the cloud portals as well as based on the linked data from employee base and licensed products. The user subscriptions are automatically synchronized to the relevant employees as software usage and evaluated in compliance.
Considering the impact of cloud products on local IT and SAM: Linking local cloud product installations. Cloud products are often suites or bundles and combine several product use rights, such as different single applications or

CALs. For the cloud-based user subscriptions of Microsoft and Adobe, the usage rights are evaluated and applied to the inventoried data.

5.7.2 Corrections

General

- The setup routine has not adequately addressed installation issues with the Global Assembly Cache (GAC). Now the installation is interrupted with a message in case of an error and it is possible to repeat the procedure or cancel the entire setup routine.
- Due to an error customized EntityType assignments in the object configuration were in certain cases overwritten when updating Spider.
- The setup routine has not created any shortcuts due to an error.

License Management

- Due to an error, the coupling to the article was removed during the split of licenses and could not be restored.

Software Services

- When viewing the installations of a recognized product, under certain circumstances a global filter was displayed that could not be disabled.
- During the synchronization process between the Recognition module and Spider Asset could an error could occur which lead to an abort of the process if Assets had no Function Units, but Employee assignments should be created.
- For bulk imports for recognized products, validation failed because a database query took too long.
- Spider requires a localhost binding on the application server for technical reasons. So far, the setup routine has not checked for this requirement.
- Under certain circumstances, the list of members of an Active Directory group also displayed blank records.

License Metrics Procedures (LMP)

- Correction of an error in the calculation of the license demand for Windows Server 2016 Standard, System Center 2016 Standard or Core Infrastructure Suite Standard considering assigned VOSE environments that could occur under rare circumstances.

ITM Cloud Edition

- When migrating an existing "SAM Cloud" installation to an "ITM Cloud" installation, a database error could occur.

5.8 Hotfix 6.3.5 HF2 (2017-09-20)

5.8.1 Improvements

General

- System Information: In order to improve requests to Brainwaregroup support, Spider now has a form for creating a file with system information. This file can be used to supplement a support ticket, thus enabling faster processing of the ticket. If the support request also relates to asset management, it is also possible on this form to generate another file with support information for a particular asset to supplement the support ticket also with this file.

Asset Management

- A new report with the title "Vulnerability Report for MS17-010 (WannaCry)" shows which assets are affected by the vulnerability described in Microsoft Security Bulletin MS17-010 (WannaCry). Prerequisite for this evaluation are the September releases of the software service components (Recognition and SDC). These must be updated before.

License Management

- Articles can now be imported using the standard XML importer.

Software Services

- In the future, all software products identified in Spider will be displayed on the software services result page. Until now, only software products were displayed that were linked to at least one licensed product in the product catalog by software recognition. The step of displaying all detected software products allows easier adding of freeware, open source, or other software products that do not require recognition in the product catalog. Basically, an evaluation of the software products and their installations is possible. In addition, in the Spider user interface it is possible to decide for each software product whether it should be ignored for further processing or connected to a software.

5.8.2 Corrections

Asset Management

- The percentages displayed on the Inventory dashboard were not consistent under certain circumstances.

License Management

- For the "Subscription" license type, the article change wizard indicated that the article would also include maintenance, which was incorrect.

Software Services

- When for a recognized software product a software assignment should be made by a production transfer from the catalog, it was possible that no results were displayed on the selection page in the product catalog. This problem existed since version 6.3.5.
- During the synchronization process between Spider Asset and the Recognition module, there was a problem with the identification and assignment of individual devices to assets if the hostname was case-sensitive. This problem existed HF6 since version 6.3.3.
- If the list of possible alternatives contained many results when selecting a standard for a recognition result, no scroll bar was displayed so that elements outside the view area could not be selected.

License metrics procedures (LMP)

- An error occurred during the automatic license requirements calculation for Windows Server Standard, System Center Standard, or Core Infrastructure Suite (CIS) Standard, which concerns the discovery of licensed virtual machines. Under certain circumstances, the license requirement, which was calculated on the basis of virtual systems, was not high enough. This has been fixed.
- An error in the automatic license requirements calculation of the Core Infrastructure Suite (CIS) product versions has been fixed. If several CIS versions or editions are assigned to one server, a too high license requirement has been indicated. Now, with multiple versions of CIS on a server, the down-edition and down-version handling will be considered.

5.9 Hotfix 6.3.5 HF1 (2017-08-22)

5.9.1 Corrections

General

- When updating existing installations, the setup routine could abort with a database error message.

5.10 Update 6.3.5 (2017-08-17)

5.10.1 Improvements

General

- With the legal entity filter, it is now possible to explicitly select no legal entity in order to find objects which are not assigned to a legal entity.
- A title can now be defined for a DataGrid in the form generator by configuration. The visibility of the title depends on the visibility of the DataGrid.
- For a DataGrid in the form generator, it is now possible to define by configuration whether it should also be visible without results.

Asset Management

- The "Name" field of the "SoftwarePackage" object has been extended to a length of 255 characters.

License Management

- The article catalog search has been completely reworked, whereby the performance could be significantly increased.
- Missing license metrics are now added automatically. Manual intervention in the configuration is no longer required.
- It is now possible to create new articles (SKUs) and immediately use them just like catalog articles for license creation. These articles can also be proposed for inclusion in the article catalog if the upload to the Recognition Center is enabled.
- The license key search now also shows the product version and may be filtered by product version.
- In the installations overview of a product or a product version, the main user of an asset is now specified.

Recognition and metering

- From now on, programs without name will no longer be displayed in Spider, since specific information on the installed program cannot be provided.
- When synchronizing devices to assets, assets whose last scan date is older than n days (configuration) are disabled. The comparison date has been changed from LastUpdateDate (device) to invLastScandate.

License metrics procedures (LMP)

- The execution order of license metrics procedures has been changed.
- A new license metrics procedure for Concurrent User license metrics has been added. For Concurrent User metrics, the license requirement is measured separately and can be mapped as an additional license requirement. License requirements are no longer indicated for installations.

5.10.2 Corrections

General

- The setup routine could fail when updating Spider Contract installations if there were databases for additional Spider applications.
- During document full-text searches, an error occurred when the user executed the "Discard search filter" function. The form could then no longer be operated.
- Under certain circumstances, an unnecessarily high amount of memory could be used when sending emails.
- The "ObjectSelectionEntityType" control triggered an error on creation forms.
- The call-up of bulk imports was very slow.
- Due to an error, an overflow of the ID in the TransactionInfo table could occur. This resulted in several different errors in Spider and could cause the application to become inoperable.

Asset Management

- Under certain circumstances, it was possible that an asset and the assigned function unit were assigned to different legal entities. If this happened, this condition could not be rectified.

License Management

- In the ManufacturerEdit, ProductEdit, ProductGroupingEdit, and ProductVersionEdit forms, the legal entity filter for compliance data display did not work correctly so that, in some cases, no correct information could be displayed.
- When viewing a product, an exception could occur under certain circumstances.
- The manufacturer filter in the article catalog search showed an incorrect manufacturer name despite correct filtering.
- Licenses and maintenance items which were assigned to obsolete or deleted articles could no longer be processed. This resulted in an error. It was then also impossible to assign these to another article.

Recognition and metering

- In the view of programs for an asset, programs could only be displayed by means of an incorrectly applied filter in certain constellations.
- In past versions, it was possible to create software assignments whose legal entity deviated from the legal entity of the assigned asset by means of the synchronization of software assignments via Active Directory groups in a special constellation. These incorrect entries are corrected with the current update.

Oracle Database Services

- If the Oracle Dashboard was filtered by legal entity, the sum of the product mappings could differ from the sum of the products.

5.11 Hotfix 6.3.4 HF1 (2017-07-12)

5.11.1 Improvements

General

- The settings for the page "Data Collector Download" can now be configured in SAM Cloud Edition and all Full Update editions.

Contract Management

- The list view of the contracts for a contractor can now also be filtered for archived contracts.

Recognition and Metering

- The list of inventoried systems has been expanded by the UUID.

Oracle Database Services

- In the Oracle Dashboard, it is now possible to filter by Legal Entity.
- The Oracle Dashboard has been extended by a configuration analysis for product assignments. A comparison is also made between the license requirements for Oracle products from Software Services and Software Assignments. Thus, possible synchronization problems can be detected quickly.
- The following reports have been expanded by the column "Legal Entity": "Oracle Database Instances", "Oracle Options & Mgmt Packs (license relevant)", "Oracle Options & Mgmt Packs (non license relevant)", "Oracle License Scope: license relevant products", "Oracle License Scopes: Physical Servers", and "Oracle License Scopes: Systems"
- It is now possible to navigate directly into the license scope from the Oracle Dashboard.
- For an Oracle License Scope the assigned Legal Entity is now displayed.

5.11.2 Corrections

General

- Due to an error in the form generator, the "Postback" setting in the Calendar control caused under certain circumstances that the selected date could not be removed.
- Under certain circumstances, the type filter did not work correctly in the object search. The displayed result did not match the filter settings.
- The forms used to create Advanced Searches responded very slowly. A performance issue has been discovered and fixed.
- In the form generator, dynamic locking (SQL ReadOnly) no longer worked for certain buttons after saving (or certain other operations). The buttons "Delete" (ButtonDelete), "Save" (ButtonSave), "Set status" (ButtonSetStatus) and "Set value" (ButtonSetValue) were affected.
- An error occurred while calling up the overview for bulk imports.
- Due to an error in the form generator, only the date "01.01.0001" was displayed in the calendar control if an SQL statement was specified in the configuration to determine the default value.
- Due to an error in the setup routine, an incorrect value could be entered into the configuration required in Spider to connect the Enterprise Services Infrastructure (ESI). The configuration key "ApiPort" was empty, which caused Spider to be inaccessible.

Asset Management

- In the Task Dashboard, an incorrect value was displayed for "Assets with outdated scan date" under certain circumstances.

License Management

- The global filter for manufacturer was not displayed correctly in the Compliance Dashboard. (An incorrect manufacturer name has been displayed.)
- Under certain circumstances, the value in the "Quantity" field of a License could not be increased by an error if the License was assigned to several consecutive Maintenances.
- Due to an error the user was unintentionally redirected to the License Create Wizard if he has set or removed the global Manufacturer filter in the Maintenance Create Wizard.
- During the transfer process, which transfers Products from the Product Catalog to the Mandator, an error occurred when with a new version of the Product Catalog a Product was assigned to a new Manufacturer. The message in the error log was: "Can not insert duplicate key in object 'dbo.Product'."

Contract Management

- The bulk change did not work correctly for the Contractor Assignment. The displayed messages were "ContractorID column is read-only." or "It is not allowed to change the Contractor."

Recognition and Metering

- Due to an error in the synchronization process between Spider Asset and the Recognition module, Software Assignments that are created due to the user's membership to an Active Directory group have been created without Legal Entity.
- The overview of the programs did not work under certain circumstances, so that no content was displayed.
- An incorrect result was displayed on the Software Services start page when several status filters were combined. From now on only one status filter at a time can be applied.
- When displaying the unknown programs, an error occurred when no program name was available for a program.

Oracle Database Services

- Due to an error in the synchronization process between Spider Asset and the Recognition module, Software Assignments to an Oracle License Scope have been created without Legal Entity.

Reporting

- In the Task Dashboard, under certain circumstances an incorrect value was displayed for "Assets with outdated scan date".

5.12 Update 6.3.4 (2017-06-07)

5.12.1 Improvements

General

- The setup routine contains a new, more understandable dialog for checking the system requirements and the prerequisites of the SQL server.
- The setup routine outputs a warning in case of a system update when a version change is carried out (change of the Major and/or Minor Version) while customer-specific components exist on the system.
- A new overview labeled "License Information" shows how high the utilization of the licensed objects (assets and contracts) is.
- So far, the filter settings of list views were saved automatically so that a page which was called up again at a later point in time then immediately showed the same filter settings. The behavior was analog to the search pages but was perceived as an error by many users. The filter settings of the list views will now no longer be saved.
- In case of a bulk import, there will now be a distinction between whether an object was found, not found or not unambiguously found. Not unambiguously found objects cannot be changed or deleted. If an objects was not unambiguously identified, the data set may be used for insertion of a new object.
- If the bulk change contains at least one archived object in the selected objects, only the status can be changed during the bulk change. This prevents a change of archived objects.
- The bulk import will now check the authorizations of the user regarding the object prior to the file upload. This way, restrictions regarding the authorizations may already be displayed on the file upload page. Furthermore, the restrictions are taken into account in the selection options for the import mode.
- Up to now, Tasks for which a user did not have authorization were also shown in the Task Dashboard. When trying to call up the corresponding report, however, this caused an error message with regard to authorization. The Task Dashboard has been adjusted so that only those tasks for which the user has authorization are displayed.

- The overview "Information about index" issued an error when the indexing was switched off. However, there was no actual problem.
- The employee has been expanded by the "UserPrincipalName" field. This corresponds to the identically named field from the Active Directory and is required as identifier.

Asset Management

- Devices which have not been reported by the inventory system for a certain number of days will be set to inactive. This number of days may be set at the mandator.
- When assigning a software directly to a program, it can now also be filtered by manufacturer.
- The software assigned to an employee is now shown directly in all different employee views.
- The Task Dashboard now also shows the calculation errors of the automatic license requirement calculation LMP.
- The asset type "Server" has now been expanded by the field "Logical CPU Count". (This change applies only to Full Update Editions.)
- Bulk import and bulk change have been activated for Asset models too.

License Management

- New easy-to-use Compliance standard reports have been added. In case of full update editions, the new standard reports will be authorized automatically.
- The catalog settings section has been completely reworked in order to achieve a better overview for the user.
- Improvement of the Compliance pages for products and product versions. Reduction of the displayed key figures and increase of their informative value due to additional display of unused licenses and unlicensed legal entities. The outputs of the overviews have been enriched with additional information.
- The Compliance history now also logs the installation numbers.
- The article search may now also be filtered by type.
- Additional standard reports have been added: "Compliance", "Overlicensing", and "Underlicensing". These reports were previously only available in the SAM Cloud Edition and the Full Update Editions.
- There are two new reports for the Article Clearing for licenses and maintenances. These show all licenses or maintenances which feature an article number but are not unambiguously assigned with an article from the article catalog.
- Individual licenses and maintenances may now also be decoupled from the article catalog and managed manually. This way, all fields are editable and no synchronization with the article catalog will be carried out anymore for these licenses or maintenances.
- The implementation of updates has been completely reworked. Updates may now be set for the license as desired since there is no longer any restriction or check for the input. Only the Compliance will assess whether a sufficient number of basic licenses is available for the updates in the set product version and LegalEntity. In case of missing basic licenses for updates, this is output as a warning.
- The article search has been completely reworked to optimize performance.
- The settings for secondary usage rights may now be carried out directly at the product. This also enables different settings for each mandator.
- The start forms for the process for creation of licenses or creation of maintenances have been changed. The creation via article catalog is now located on the left side and the creation via product version is located on the right side.
- The Compliance pages have been fundamentally reworked in order to facilitate easier access to the Compliance data. The license balance can now be viewed more easily and it should now be possible to understand the calculated values more easily. Possible problems will be highlighted more clearly.
- License and maintenance have both been expanded by the field "Payment Date" which is required for audit purposes.
- The display of available licenses for a product version has been fundamentally reworked.

- The license search has been expanded by the following information for evaluation purposes: Is it a catalog article? Is a valid maintenance assigned? Has the number of licenses been manually allocated?
- Up to now, only 500 results could be displayed for the found software installations of a product version. From now on, all results will be displayed.
- The "Calculate Compliance" button is now also available in the Compliance views of product and product version.

Contract Management

- Bulk import and bulk change have been activated for Invoices too.

Recognition and metering

- The section "Software Recognition" in Spider Asset has been completely reworked and is now called "Software Services". Main focus is the segmentation into the subsections "Results", "Programs", and "Info and Settings" which may all be reached via the main menu. This is meant to improve overview.
- The synchronization process between Spider Asset and the Recognition module has been reworked. Only the employee which is recognized as "PrimaryUser" of the device by the Recognition module will be assigned to a function unit. For this purpose, only employees whose status is "Active" will be taken into account. Only the PrimaryUser with the highest rank as employee will be assigned in each case. The rank results from the log-in frequency at the device. Other employee assignments are removed if these have been created via the synchronization process. **IMPORTANT:** This change requires at least version 1.1704.1 of the recognition module. When using older versions, the employee synchronization process no longer works.
- For the synchronization process between Spider Asset and the Recognition module, it is now possible to determine via the configuration whether new assets shall be created by the process.
- The Asset Parameter Mapping has been expanded by the field "MAC1".
- The Asset Parameter Mapping has been expanded by the field "ServiceTag".
- The synchronization process between Spider Asset and the Recognition module has been adjusted so that the serial numbers of assets are not removed if these have been entered manually.
- The key numbers displayed on the inventory dashboard have been supplemented or renamed for a better understanding. Shown are "Quantity of assets - Scan date in last 30 days", "Quantity of assets - Scan date 30 days ago", "Assets without scan date", and the "Number of Assets".

License metrics procedures (LMP)

- Possible calculation problems are output for each license metrics procedure and may be called up as a list.
- Introduction of a license metrics procedure for the Device based Metrics.
- A new license metrics procedure for freeware products marks all installations without license requirement with the information that this installation is a freeware product.
- The standard report for LMP calculation errors has been expanded. The LMP calculation errors are displayed at multiple prominent positions in the product.
- The license requirement calculation for Microsoft Server products has been improved. For Windows Server or System Center, it is now possible to calculate the license requirement for physical systems only. The detection of virtual systems has been improved. Identified problems will be output for each installation.
- The overview page of the license metrics procedures has been reworked.
- The automatic license requirement calculation is now carried out for active mandators only.
- The execution times for the license metrics procedures have been significantly improved for large environments and multi-mandator environments.
- At the product, it is possible to set whether a secondary usage right exists and whether it shall be applied. For this purpose, it is possible to differentiate between a general secondary usage right and a usage right for portable devices. The automatic license requirement calculation is carried out via new license metrics procedures.

- The license metrics procedure for the Microsoft MSDN mapping has been reworked. It is differentiated between productive systems and systems with testing or development focus. Depending on the classification, the used products must be licensed or are licensed via the allocated MSDN subscription.
- Outdated Microsoft Office Suite mappings in Spider have been removed since the recognition of Microsoft Office is carried out via the recognition module.
- For the license metrics procedure for Company based Metrics products, over-licensing is now prevented as long as the license and at least one instance of usage in the same legal entity are allocated.
- In case of Full Update Editions, the forms of the software allocations have been reworked and expanded.
- The special features regarding the license requirement calculation for Microsoft products and bundles has been supplemented. Among others, this has been carried out for MDOP, Secure Productive Enterprise (SPE), Windows Enterprise E5, Office 365 E5, and MSDN platforms.
- The license metrics procedure for taking into account suites and bundles adds the name of the suite via which the licensing is carried out to the included individual component as a license comment.

Reporting

- Improved ability for qualified inventorying of Autodesk products via introduction of two new standard reports: "Qualified Autodesk Inventory" and "Assets with Autodesk Programs"
- The following standard reports have been added: "Operating System Report", "Recognition: Installed Applications", "Recognition: Installed Applications by Device", "Recognition: Scanned Files", "Recognition: Scanned Files by Device", "Recognition: Scanned Programs", "Recognition: Scanned Programs by Device", and "Unapproved installations with recognition default". The reports were previously only available in the SAM Cloud Edition.
- The report "SAM Workspace Artifacts for Software" has been expanded by the "SQLClustered" column.
- The new system report "Recognition: Devices" shows raw data from the recognition module.

SAM Cloud Edition

- The reports "Product Underlicensing", "Product Overlicensing", and "Product Version Compliance per Legal Entity" have been fundamentally reworked. Furthermore, an additional "Product Version Compliance" report has been added.
- The Task Dashboard has been expanded by the following items: "Unknown Programs (normalized Manufacturers)" and "Unknown Programs (other Manufacturers)".

ITM Cloud Edition

- Introduction of a new ITM Cloud Edition for hosting partners.

5.12.2 Corrections

General

- Due to an error in the type search filter, type names for with the user did not have any authorization were also displayed in the selection control.
- Due to the special search behavior of specific controls, it was in some cases not possible to receive unambiguous selection results. The search behavior of the controls has been adjusted in a way so that it now corresponds to the behavior of the standard search. By using placeholders, it is now possible to precisely determine whether searching is to be carried out for a word fragment, a prefix or a suffix. This change applies to the controls Combobox, Cost-Centre, Object Selection, ObjectSelectionEntityType, and PermissionSelector.
- A display error in the object history has been removed. When displaying locations, it was possible that some HTML tags turned visible.
- In the Chrome browser, there was a display error due to which several selection controls did no longer work correctly as of version 57 (or maybe earlier). When trying to select an item, the controls were only displayed in a "flickering" manner, which made it impossible to carry out any selection.

- In the print view, line breaks were not displayed for multi-line fields.
- Under certain circumstances, the selection items under the "New" button did not work on many forms.
- Due to an error, it was not possible to create two document folders directly one after another.
- In case of reports which were sent by the Alert & Report System via email, so far the IDs of the data sets used to be displayed as well when the report was sent in HTML format. Now, the IDs are suppressed during display.
- A form for checking the script ability of the browser featured a Cross Site Scripting vulnerability (XSS).
- In the file "support.config", it is possible to define an item with the type "KnowledgeBase" which was not displayed on the info page up to now.
- Due to an error, alternative icons for menu items were no longer supported as of version 6.0. Now, it is possible to provide menu items with other icons than those predetermined by the form registration.

Asset Management

- The report "Assets with outdated scan date" caused an error on the Task Dashboard under certain circumstances.
- License Management
- The Compliance view of the product version may now also be exported to Excel.
- When exporting search results and reports, it was possible with date columns that some values were output with time and some without time. This was mostly wrong because it concerned fields where the time was of no relevance.
- When displaying products, the number of installations was not output correctly in all cases.

Contract Management

- Due to an error, the same license was displayed multiple times at a contract if there were multiple valid maintenances.
- Contact persons could not be deleted when they were assigned to a contract assignment.

Recognition and metering

- The synchronization process between Spider Asset and the recognition module could cause the Spider Asset Service to crash in certain (rare) application scenarios (exchange of the recognition database).
- The assignment of a new user to a function unit was not always possible due to the high number of different possible spellings of a user name which an inventory system provides as "LastLogonUser" of the device. The recognition of the user based on the user name has been improved. **IMPORTANT:** This change requires at least version 1.1704.1 of the recognition module. When using older versions, the employee synchronization process no longer works.
- In case of the metering evaluation of an individual installation, a timeout could occur when displaying the diagrams with component view.
- A paging problem on the Software Service pages has been removed.
- During the display of the installations, archived assets were partly included up to now, which lead to different results in the different views. This was not understandable for the user. Archived assets are now no longer taken into account here.

License metrics procedures (LMP)

- Errors of the automatic license requirement calculation during which also inactive objects (assets, employees) were taken into account mistakenly have been removed.
- In case of the automatic license requirement assessment of Windows Server 2016 or System Center 2016, the minimum licensing was incorrectly determined for physical systems with only one processor.
- An error which caused Visio versions to not be included in MSDN Ultimate has been removed.

Reporting

- The report "Unapproved installations with recognition default" had to be reworked since it produced wrong results under certain circumstances.

5.13 Hotfix 6.3.3 HF6 (2017-02-24)

5.13.1 Corrections

General

- Object fields that are unique by configuration could lead to deadlocks on the database level under certain circumstances.

Asset Management

- The configuration key "SetAssetNo" was ignored in some cases during the synchronization process between the Recognition module and Spider Asset.

Oracle Database Services

- The list of Oracle database instances did not show any results under certain circumstances.

5.14 Hotfix 6.3.3 HF5 (2017-02-09)

5.14.1 Corrections

Reporting

- In the context of reports that included data sources from linked SQL Servers, errors could occur.
- Due to an error, it was not possible to add more fields to the result of an Advanced Search.

5.15 Hotfix 6.3.3 HF4 (2017-02-06)

5.15.1 Improvements

General

- An earlier change to the default configuration, that user names can only be assigned automatically, has been revoked. When a user is created, the user name can be freely selected again.
- The Setup program will refuse the installation if "Always On" is enabled on SQL Server because Spider does not support this option.
- The setup program will refuse the installation if FIPS Algorithm Policy is enabled on the application server because Spider currently does not support this option.

Spider Admin

- In the object field definition, it is now possible to activate the "Do not write object history on field change" option for each object field. This means that no history entry is written for the object if a change has been made exclusively in this field. A typical example is the invLastScanDate field on the asset. This function in Spider existed for some time, but was not configurable via Spider Admin until now.
- When defining EntityTypes, leading and trailing spaces in the name are now removed to prevent resulting errors.
- In the application dialog, the "User" field was removed because it is no longer supported by Spider.

5.15.2 Corrections

General

- Due to an error, changes in fields that were not intended for the historization led to additional history entries. The error existed since version 6.3.3.

Asset Management

- Due to an error, it was not possible to delete the inventory data (delivered programs and files) of an asset, which were delivered via the Recognition module.
- The default configuration contained an error: The function unit status "Inactive" was marked as active.
- For devices with long host names or domain names, errors could occur during synchronization between the Recognition module and Spider Asset.

License metrics procedures

- Correction of the license requirement determination for Windows Server Standard + Software Assurance (CPU, Win).

SAM Cloud Edition

- An error in the database script for the SAM Cloud Edition resulted in the allocation table of product version type to license type not being filled during the installation. This caused errors in the course of the further installation and as a result no licenses could be created after the installation. The error only affected new installations of the SAM Cloud Edition and could be solved by running the setup program again.

Spider Admin

- In Spider Admin no new database connections could be created. The error message "Databaseserver is either a DataColumn or a DataRelation for table Application." was displayed. Only the previously used database connections could still be opened.

5.16 Hotfix 6.3.3 HF3 (2017-01-11)

5.16.1 Corrections

General

- For spider databases from version 6.3 onwards, the Admin tool displayed an error in the Database server field in the application dialog.

License Management

- In the compliance overview by Legal Entities within a Product Grouping, an incorrect licence entitlement was displayed.
- When assigning Products to a Product Grouping, due to an error the selection checkboxes were not being displayed under certain circumstances.

Oracle Database Services

- When creating function units for license scopes, the status to be used for the function unit was incorrectly determined, resulting in an error and the function unit could not be created.

5.17 Hotfix 6.3.3 HF2 (2017-01-06)

5.17.1 Improvements

License metrics procedures (LMP)

- The license metrics procedures "Microsoft Remote Use" and "Microsoft Multi Version Usage" have been optimized for use in large customer environments.

5.17.2 Corrections

General

- When assigning a data source to a document template, an error could occur under certain circumstances.
- An incorrect version of the indexing component was exchanged.

Asset Management

- If the Spider installation is connected to a Spider Incident module, an error could occur on the Asset Edit page.

5.18 Hotfix 6.3.3 HF1 (2016-12-21)

5.18.1 Corrections

General

- Due to an error it was not possible to delete mandators.

5.19 Update 6.3.3 (2016-12-20)

5.19.1 Improvements

General

- The Enterprise and Cloud editions of Spider now offer the possibility to delete mandators with all related data from the system.
- When creating new users it is now possible again to freely assign the login so that also AD users can be created manually again.
- The Info page can now be enhanced by configuration with additional content (e.g. Imprint).
- The safety behavior of the web surface has been adapted in order to prevent a possible "Cacheable HTTPS Response" vulnerability.
- When changing the password, you will now see all active password rules.

Asset Management

- An Info section at the asset identifies assets which are synchronized with inventory data obtained from the recognition module. Furthermore, this section offers you the option to delete the inventory data (delivered programs and files) of the asset.
- In case of a linked Spider Incident Installation it is possible to show the related tickets from Spider Incident at the asset and at the employee.

- The asset-search has been enhanced by the column "Last import date".
- Direct program assignments are now shown as classified among the programs installed for an asset. The same is applied for program basis product assignments as long as a current version of the recognition module (as of 1.1612.3) is used.

License Management

- It is now possible to attach documents to the License key object. In order to enable this, the license key will no longer be shown as subordinated to the license in the Edit view.
- For licenses and maintenances which are linked to an article, it is now possible to enter a "valid until" date which could be different from the duration filed in the article. Until now, the field was not editable.
- Product versions of Microsoft which are named with "+ Software Assurance" can only contain licenses with valid maintenance. Licenses without valid maintenance will be rebooked automatically to an actual product version when executing a compliance calculation. During this process, the release date of the product versions will be compared to the expiration date of the maintenance.
- The commentary field of the license was increased to 1000 characters.
- It is now possible to export the list of installations for a product.

Contract Management

- The invoice search will now output also the title and the identifier of the assigned contract.

Recognition and metering

- So far, the synchronization process between the recognition module and Spider Asset has been canceled after 100 errors. This error limit can now be configured as desired. The error limit is now initialized to 500.
- In case of errors which occur in the synchronization process between the recognition module and Spider Asset, more error details are output now in order to enable an easier detection of the causes.
- New function in the synchronization process between the recognition module and Spider Asset: Transfer of the detected license requirements for Oracle products which have been detected by Oracle database servers as compliant-relevant contents.
- The visibility of the metering tile in the Edit views of Asset, Software, and SoftwareAssignment may be authorized via special form rights. (The form rights are named: MeteringAsset, MeteringSoftware, and MeteringSoftwareAssignment.)
- On the metering pages, also the manufacturer of the software will now be shown.

License metrics procedures (LMP)

- For Windows Server Standard 2016, System Center Standard 2016, and Core Infrastructure Suite Standard, the number of VOSE will be taken into account when assessing the license requirement.
- For the license requirement assessment of the CPU metrics (license requirement corresponds to the number of processors), several manufacturers will be excluded: Oracle, IBM.
- For the license requirement assessment of AdobeCC, the single apps Acrobat DC Pro and Flash Builder Premium were added for the Adobe CC suites.
- For the license requirement assessment of the Core metrics (license requirement corresponds to the number of cores), Oracle NUP products will be excluded.

Reporting

- Several detail reports have been added for a better understanding of the license requirement assessment.
 - Installations with calculated license requirement
 - Installations without license requirement
 - Remote usages
 - Software at the employee with license requirement

- Software at the employee without license requirement
 - Software at function units
- The reports may be used in all editions.

- Several reports with focus on Oracle have been introduced. The reports may be authorized and used. In the full update editions, the reports will be authorized automatically.
 - Oracle database instances
 - Oracle Options & Mgmt Packs (license-relevant)
 - Oracle Options & Mgmt Packs (not license-relevant)
 - Oracle License Scope: Systems
 - Oracle License Scope: Physical systems
 - Oracle License Scope: License-relevant products
- Standard reports for the Microsoft System Center licensing have been added. These will replace existing reports for Microsoft System Center in the SAM Cloud edition. The following reports have been added:
 - Microsoft System Center - Server licensing
 - Microsoft System Center - Client Management Suite
 - Microsoft System Center - Configuration Manager CML
 - Microsoft System Center - Endpoint Protection

SAM Cloud Edition

- The cost center management was unlocked for the SAM Cloud Edition.
- In the SAM Cloud Edition, the number of results in object searches is no longer limited.

5.19.2 Corrections

General

- Under certain circumstances, the form generator would show the error message "The element has already been added."
- The batch change of legal entities did not work under certain conditions.
- Due to an error in the setup, the IIS roles ASP.NET 3.5 and .NET Extensibility 3.5 were requested as an installation requirement.
- The dropdown control showed wrong special characters under certain conditions.
- In the selection dialog for legal entities, no subordinated legal entities were shown under certain conditions.
- Due to a display error, certain control elements were not shown correctly in the Read-Only mode, when the "Labeltop" option had been activated.
- In the print view, the check boxes were not shown.

Asset Management

- Due to an error, the legal entity of a created asset was not transferred to its function unit.
- The selection control elements in the creation process of a function unit relation could not be filtered anymore to certain function unit types.
- The page change did not work on employee info pages.
- The selection check boxes were not always visible on the software assignment pages for employees.
- In the SAM cloud edition, an authorization error could occur when creating function units, because the user was forwarded to the creation page of an unauthorized function unit type.

License Management

- Under certain conditions, the wrong product versions were assessed by the license maintenance wizard.

- Running the article change wizard from the Edit view of the maintenance could lead to an error under certain conditions.
- The display of the installations in the Edit views of the product version and of the product could have different results, since the list displayed at the product version did not take into account assignments to legal entities.
- If a license or a maintenance had inadvertently been assigned to a wrong article, it could not be edited anymore.
- In the SKU-based import, the article detection by article number has been revised. Now, also the license type from the article catalog is recognized as well as the condition that all possible article could point to the same product.

Recognition and metering

- The overview page of the programs recognized by the recognition module could be very slow under certain conditions.
- Under certain circumstances, a timeout could occur in the metering overview of the software installations.
- When selecting individual products in the metering dashboard, an error could occur under certain conditions.
- A big amount of metering data could lead to an error when displaying the product version edit page.

License metrics procedures (LMP)

- An error in the license requirement calculation for System Center Datacenter + Software Assurance (CPU, Win) has been corrected.

SAM Cloud Edition

- In the SAM Cloud Edition, device relations were shown twice on the search page.
- Due to an error, parts of the advanced search were visible, although the advanced search is not authorized for this edition.

5.20 Hotfix 6.3.2 HF2 (2016-10-12)

5.20.1 Corrections

Spider Core

- A Cross-Site-Scripting (XSS) vulnerability was removed.

Spider Licence

- A view error in the calculated compliance percentages has been removed.

5.21 Hotfix 6.3.2 HF1 (2016-09-22)

5.21.1 Improvements

Spider Core

- The status of employees who had been created or updated on the basis of Active Directory user objects, will only be changed by the synchronization process between Spider Core and the recognition module if the tick is set in the field "Synchronize status with Active Directory".

Note: The new field "Synchronize status with active directory" is shown immediately in case of full update installations (SAM, ITM, Enterprise) only. For individual configurations, the field must be embedded via the web configuration.

License metrics procedures

- Enhancement of the automatic license requirement assessment to Windows Server 2016, System Center 2016 and Core Infrastructure Suite. Microsoft will continue the new server versions as Core metric.
The license metrics procedures have been extended accordingly and support the license requirement assessment incl. the minimum licensing for:
Windows Server 2016 Datacenter (Core, Win)
Windows Server 2016 Standard (Core, Win)
Windows Server Datacenter + Software Assurance (Core, Win)
Windows Server Standard + Software Assurance (Core, Win)
This applies also for the previous Windows Server Datacenter and default versions which should be calculated according to Core metric (downgrade versions).

System Center 2016 Datacenter (Core, Win)
System Center 2016 Standard (Core, Win)
System Center Datacenter + Software Assurance (Core, Win)
System Center Standard + Software Assurance (Core, Win)
This applies also for the previous System Center Server Datacenter and default versions which should be calculated according to Core metric (downgrade versions).

Core Infrastructure Server Suite Datacenter + Software Assurance (Core, Win)
Core Infrastructure Server Suite Standard + Software Assurance (Core, Win)
- Microsoft Windows Enterprise USL: The license metrics procedures have been extended for the user-based Windows Enterprise licensing. The license requirement assessment is carried out for Windows Enterprise USL + Software Assurance (Named-User, Win).
- Microsoft User Subscriptions: The license metrics procedure "Specific Microsoft Office 365" is renamed "Specific Microsoft User Subscriptions". This includes the license requirement assessment for Microsoft Office 365 and Microsoft Windows Enterprise USL.
- Microsoft Developer Subscriptions: The license metrics procedure "Specific Microsoft MSDN" is renamed "Specific Microsoft Developer Subscription (MSDN)".

5.21.2 Corrections

General

- The interface to the Enterprise Services Infrastructure (Indexing and OneSearch) did not work if the specification of a port was necessary for establishing the connection with the SQL server. Also, deviations from the default configuration in Spider could have the effect that no connection could be established to the SQL server by the interface.
- Due to an error in the control element ComboBox, some browsers wrongly showed a small "X", which appeared to suggest that the user could delete the field content by clicking it.

Spider Licence

- If in the assignment of recognition results via the product transfer function, a software had been transferred from the product catalog to Spider Licence, the product was then marked as not active in the catalog, although the transfer had been successful.

Full update editions

- Users who had the role "AssetManager" as well as the role "MasterDataEditor" were not able to edit or delete locations.

SAM Cloud Edition

- The automatic locking of users the mandators of whom had been expired was revised. Administrators and maintenance users will not be locked anymore, even if they have no valid mandators anymore.

5.22 Update 6.3.2 (2016-09-14)

5.22.1 Improvements

General

- The behavior of the Bulk Import wizard has been adjusted in order to recognize import problems, notes and errors earlier: After completion of the import process, it is no longer possible to skip the results page.

Spider Core

- The login dialog now shows a notification if the caps lock key is activated.

Spider Asset

- Active Directory group based software assignments are now supported: In the September release of the software services, the Active Directory Connector has been extended in order to retrieve Active Directory groups and their members (users and groups). In the Recognition section of the Spider user interface additional forms have been added for managing Active Directory groups. Here you define for which groups which software assignments are to be created by the synchronization process. The assignment is created either directly at the employee (user) or as a remote usage on the asset of the employee.
- A new default report allows for the comparison of all devices registered in the Active Directory with all devices reported by the inventory system.
- A new field (DataSource) at the software assignment specifies the origin of this assignment.
Note: This adaptation is only carried out for Full Update installations (SAM, ITM, Enterprise).

Spider Licence

- A new wizard allows you to modify the assignment of a maintenance to an article. (Article change wizard) All relevant information is taken over from the article into the maintenance. This function has been available since version 6.3.1 for licenses and has been made available now for maintenances, too.

License metrics procedures

- Adobe Creative Cloud (CC): New license metric procedure for the user based licensing of the Adobe Creative Cloud (ETLA, VIP). For Adobe CC suites, which are assigned to employees, no additional license requirement is shown for the installed single apps on up to 2 assigned devices.
Note: In case of full update installations (SAM, ITM, Enterprise), the license metrics procedure will be activated automatically by the update. In case of individual configurations, a manual activation is required.
The following CC suites are included:
Creative Cloud Enterprise Design (Named-User)
Creative Cloud Enterprise Design & Web (Named-User)
Creative Cloud Enterprise Video (Named-User)
Creative Cloud Enterprise (Named-User)
Creative Cloud for Individuals (Named-User)
Creative Cloud for Teams (Named-User)
- Adobe Creative Cloud (CC): For the device-based licensing of the Adobe Creative Cloud (ETLA, CLP GOV, VIP), the single apps per CC suite have been supplemented, for which no separate license requirement shall be requested.
The following CC suites are included:
Creative Cloud Enterprise Design (Device)
Creative Cloud Enterprise Design & Web (Device)
Creative Cloud Enterprise Video (Device)

Creative Cloud Enterprise (Device)
Creative Cloud Desktop Apps (Device)
Creative Cloud for Teams (Device)

- Microsoft MSDN: Visual Studio Enterprise with MSDN subscriptions now also explain Visio and Project versions on the development, test and integration systems assigned to the employee.

5.22.2 Corrections

Setup

- Due to an error in the setup, the SAM edition could not be installed anymore since version 6.3.1.

General

- Hyperlinks in Datagrids could contain special characters that were not correctly encoded. As a result, display problems and errors could occur on the target page.
- Due to an error, it was no longer possible under certain conditions to scroll on search pages.
- Due to an error in the mass import, the specification of the object type was mandatory also in the "Delete" import mode.

Spider Core

- Due to an error, the permanent login was no longer possible. The sessions of inactive users were terminated despite being logged in permanently.
- Due to an error in the Active Directory-based log in process, the users could not be logged in if there were more than one Active Directory configuration. That error existed from version 6.3.1.
- Due to an error in the task dashboard, the click on "assets with outdated scan date" did not work.

Spider Asset

- The list of products, which were recognized by the Recognition module, contained some installations on devices (assets) for which the logged-on user had no permissions (legal entity).
- Due to an error in the graphic view of relationships between function units, it was not possible to view structures with several nesting levels completely.
- Due to an error in the inventory dashboard, some inactive assets were shown in the section "active assets without legal entity".
- Due to an error, the assigned software was no longer shown as a hyperlink when software had been assigned to assets and function units.
- When an asset search was started in the inventory dashboard, it could happen that the search filters from a previous search were used by mistake.
- The report "MSDN devices without employees or with employees not using any MSDN products" has been revised, because it contained some errors.
- Due to an error it could happen that the same software assignment was shown several times at an asset. This was only a display problem on this form, which had no effects on reports or the compliance calculation.
- On the connection information page for the recognition module, the error log had not been shown anymore since version 6.3.1.
- In the case of nearly simultaneously carried out status changes, it could happen that the same change date and time was logged for both changes, and the sequence of the changes was not shown correctly in the status history. The error affected both function units as well as assets.
- Due to an error in the delivered configuration, no models of the "Printer" type could be created in the default editions. Note: This correction is only carried out for Full Update installations (SAM, ITM, Enterprise).

Spider Licence

- Error in the compliance calculation: In case of a combined downgrade and pooling distribution, it could happen under certain conditions that not enough licenses had been distributed via pooling.
- A view error in the calculated compliance percentages has been removed.
- When licenses with an unlimited upgrade right were created via the article catalog, an error could occur.
- The history analysis of the compliance has displayed date values so far only in ISO format. The output will now take into account the language and localization settings of the user.

Spider Contract

- Due to an error, it could happen under certain conditions that some contracts could not be opened.
- Due to an error, it was not possible to create further authorization groups for a contract with one authorization group.

5.23 Hotfix 6.3.1 HF1 (2016-08-26)

5.23.1 Corrections

General

- Due to an error, it could happen that the dialog for the unwanted exit of a page was shown, although there had not been any changes.
- A display error in the Control combo box prevented the full display of the value list when a filter had been applied.

Spider Asset

- Inventory data at the asset: Due to an error, the supplemental inventory data at the asset were not shown.

Spider Licence

- Article change wizard: The text explanations have been improved.
- Article change wizard: The re-booking of a license to another product version has been improved.
- Article change wizard: A display error regarding the selectable articles has been found in multi-mandator systems.
- SKU-based license import: When using the automatic license creation via article number (SKU), the article product group is evaluated for Microsoft and Adobe. For articles from volume license contracts, the license properties will be set automatically. The product groups from volume license contracts were incomplete.

License metrics procedures

- The automatic license requirement assessment for the Microsoft SQL server on virtual systems has been corrected. Up to now, the license requirement for certain distributions of virtual CPUs and virtual cores has been too low.

5.24 Update 6.3.1 (2016-08-01)

5.24.1 Improvements

General

- This release will now also support the SAM Cloud Edition for Spider 6.3.

Spider Core

- Administration: The overview page for the connection to the Enterprise Services Infrastructure (Index) has been revised.

Spider Asset

- The license metric procedures have been extended for the calculation of the Microsoft SQL server 2016 editions.
- Manually created software assignments (e.g. CALs) could not be deleted using the Bulk-Import function.
- When using the data import via ImportLauncher, now the name of the Windows account of the executing user will be written into the import data record. When using the data import via import service, the system user "Spider-Import" will be written into the imported data record as before.

Spider Licence

- A new wizard allows you to modify the assignment of a license to an article. (Article Change Wizard) All relevant information is taken over from the article into the license.
- The compliance pages of product and product version have been enhanced by a history analysis.

5.24.2 Corrections

General

- Due to an error, it could happen in the field selection of object searches that a superfluous entry named "undefined" was displayed which had no connection to any search field.
- Due to an error, the full indexing was aborted when the user names contained spaces.
- Due to an error, superfluous history entries were occasionally generated in case of object changes, imports and mass changes if some field contents were too big.
- In case of installations on the basis of an SQL server with German as standard language, it could happen that a conversion error was generated in advanced searches.
- Due to an error in the search pages, the global search filter for the legal entity could neither be set nor removed.
- Due to an error in the search pages, it could happen that the search result did not recognize changed filter settings if the search was started with the Enter button.
- Form generator: Ticking a check box with activated Auto-Postback setting could cause the view under certain conditions to directly change to the next tab.
- Form generator: Due to an error, the "Dynamic Readonly"-property of control elements would not always be evaluated correctly if it referred to the field in use.
- Due to an error, certain check boxes in the mass processing area could not be selected.

Spider Core

- A Cross-Site-Scripting (XSS) vulnerability was removed.
- In case of installations configured for the Active Directory Login, it was impossible to manually create new users if the LoginMode was set to a different value than "Plain".

Spider Asset

- There was an error in the license metrics procedure which determines the number of virtual OSE when physically licensing the Microsoft SQL Server Enterprise (without software assurance). In case of several SQL server instances per virtual OSE, too few systems were declared.
- There was an error in the license metrics procedure which determines the declared SQL server versions/editions when physically licensing the Microsoft SQL Server Enterprise (core based). Server-CAL based SQL server instances were taken into consideration by mistake.
- During the synchronization process between Spider Asset and the recognition module, time-out errors could be caused on the database level.

- An error could occur on the software metering page if no product version was assigned to the software.
- Due to an error in the standard configuration, it was not possible under certain conditions to save software assignments. Therefore, the value of the license requirement field was incorrectly changed into a decimal value despite the fact, that an integer value is expected here, which in turn would cause an abortion of the save process.

Spider Licence

- When selecting the manufacturer in the catalog settings, it could happen that the selection check boxes on the left side were not displayed, making it impossible to select them.
- Due to an error, it could happen under certain conditions that archived and inactive licenses were shown in compliance reports.
- Under certain conditions, the report "Expiring licenses and maintenances - licenses and maintenances which are valid for max. 90 more days" showed too many results.

5.25 Hotfix 6.3.0 HF1 (2016-06-14)

5.25.1 Improvements

Spider Asset

- The „Oracle Inventory and Licensing“ area has been expanded by the display of the calculated license demand. The Oracle Database Suite calculates the license demand based on the inventoried Oracle products (databases, options and Management Packs). By applying the Oracle license regulations, the Oracle database instances are combined with the license-relevant options and Management Packs which may be licensed together. In addition, the underlying physical servers are determined, of which the processors are to be licensed. These data are presented in a clear and easy-to-view way in an Oracle License Scope. The license scope was integrated in the Oracle Dashboard and the drill-down pages and offers extensive analysis options.

5.25.2 Corrections

General

- Due to an error, table contents were not fully displayed in the print preview.
- In case of older Spider installations updated to version 6.2, an advanced search could lead to an error message being output when opening the settings page.
- Due to an error in the object selection control, it was impossible to deselect the option if only one selection item was available.
- Due to an error, it was impossible to reactivate archived objects. That error existed from version 6.3.0.
- The allocation of access rights for the advanced search was only possible to a limited extent.
- Due to an error, it could happen occasionally that only an empty dialog window was displayed when deleting objects.
- Due to an error, no path was displayed in the overview of the advanced reports, in the overview of the advanced search as well as in the document folder.
- Under certain circumstances, a timeout could occur during the authorization check in case of bulk imports.
- In case of multiple changes, it could happen that authorized users were denied the modification of data due to the wrong identification of access rights.
- An error occurred in case of line feeds in the subject line of resubmissions so that no e-mails were sent.
- For existing Spider 6.2 installations, which include Spider Core and Spider Contract only and were upgraded to Spider 6.3, the full indexation was not working.
- Due to an error in the object search, the filter settings "NOT" or "!" did not work.

Spider Core

- An error occurred in advanced reports as soon as a filter condition was using the operator AND NOT. That error existed since the patch 6.2.15115.162 (version 6.2.9).
- Due to an error, report titles and report descriptions were not translated in case of new installations.
- On the search and editing pages of business units, it could happen that authorized users were denied access to pages or modification of data due to the wrong identification of access rights.

Spider Asset

- In the connection overview of the software recognition module, the key figure "Successfully processed deliveries" was calculated incorrectly.
- Due to an error, it was no longer possible under any circumstances to disassociate assets from function units. This restriction, however, was meant to apply to certain asset classes only.
- Due to an error, the classification of programs detected by the software recognition module was impossible if the manufacturer name included quotation marks.

Spider Contract

- Due to an error, report titles and report descriptions were not translated in case of new installations.

5.26 Version 6.3 (2016-05-04)

Spider 6.3 has been developed simultaneously to the last Spider 6.2 patch versions. The improvements and corrections of the following Spider 6.2 versions are also included in Spider 6.3:

- Hotfix 6.2.16041.0
- Hotfix 6.2.16022.0
- Patch 6.2.16021.162
- Hotfix 6.2.15121.162
- Patch 6.2.15115.162
- Hotfix 6.2.15114.151
- Hotfix 6.2.15112.151
- Hotfix 6.2.15102.151
- Patch 6.2.15101.151

5.26.1 What is new in Spider 6.3?

Modern design

The user interface was modified into a modern web design. This is a comprehensive re-design of the complete Spider suite which is intended to improve the operation.

OneSearch

OneSearch enables the quick finding of Spider objects and is shown prominently in the header area. To activate the function, you will need the new brainwaregroup Enterprise Service Infrastructure (ESI).

Oracle Database Services

Enhancement for viewing the data of the new Oracle Database Services. The results of the verified inventORIZATION of the Oracle databases, options and management packs are shown in an easy to understand arrangement. An Oracle dashboard consolidates the data and enables a drill-down into the list of databases, options or management packs. The Oracle Database Services calculate the license requirement resulting from the usage.

Complete updates (full update edition)

Spider offers a full update edition for new customers which includes complete updates. These updates comprise the entire configuration. The configuration options for this edition are restricted. Apart from the included permission roles and reports, you can add your own if required.

Changing to an individual configuration is possible at any time. In case of individual configuration, certain configuration adaptations may be required for future updates which are not part of the product update.

Existing customers updating to Spider 6.3 keep the functions of an individual configuration.

5.26.2 Improvements

General

- In order to improve the understanding, certain names in the application have been revised.
- In case of typed objects, the "New" button will lead now to the type selection by default. In order to create an object of the same type as before, you will now have to select the second option in the drop-down menu of the button.

Spider Core

- A new function can be used to display system messages and other information for a defined period in the login area and in the main menu.
- Changes to the user rights will now always be logged. The protocol can be integrated in the system in form of a report if required.
- A new function can be used to provide manuals and other documents required for the operation for download to the users.
- A new overview is provided to view the legal entity permissions of a user. It will be detailed whether it is a user permission or a role permission.
- The synchronization process between Spider Core and the recognition module now validates the e-mail addresses of the Active Directory user objects before they are accepted as employee data record. Invalid e-mail-addresses will not be accepted.

Spider Asset

- A new license metric procedure named "Specific Microsoft Remote Use" was added for the calculation of the corrected license requirement due to the Microsoft Remote usage. This procedure must be activated during the update.
- The synchronization process between Spider Asset and the recognition module will now also fill in the attribute "Model name" at the asset.
- The license metrics procedure for the calculation of the permission of the Microsoft BizTalk server has been enhanced by the software assurance version.
- The license metrics procedure for the identification of Microsoft installations not creating a license requirement (MSDN) has been revised completely.
- In case of standardized objects, the mass import via the user interface will not require anymore the specification of the object type in the import mode "Update".

Spider Licence

- The "License requirement" field will now only accept integer values.
- The license metric "Million service units based" has been enhanced.
- So far, the product change wizard did not support changing the license metric.

Spider Contract

- The contract title (Title) is now a defined field at the contract.
- The mobile phone number is now a defined field at the contact person.

5.26.3 Corrections

General

- Due to an error in the document management, it could happen that no version history was displayed.
- Due to an error in the document creation, documents with file names containing an umlaut could not be stored in the document file.
- It is possible to define a default value for selection control elements (drop-down) in a form definition for an Edit form (edit mode). This leads to a wrong application behavior which caused the default values on Edit forms to be ignored.
- When creating selection list entries, it could happen under certain conditions that an error occurred which prevented the storage of the entries because it was not possible to specify a key.
- Due to an error in the document creation, the list of document templates could not be updated.

Spider Core

- Due to an error in the synchronization process between Spider Core and the recognition module, it could happen in case of long employee names that the synchronization was repeated frequently.
- Due to an error in the report function, it could happen that in case of procedure based reports that the filtering by logged-in user did not work.
- When the application was changed, an error could occur under certain conditions on the configuration pages in the user interface.
- Due to an error, the last selected category in the report selection was not saved.

Spider Asset

- Due to an error on the inventory dashboard, the filter set in the grid "Active assets without legal entity" was not taken into account leading to too many results.

- Due to an error in the synchronization process between Spider Asset and the recognition module, it could happen that certain software assignments were wrongly deleted and created again.
- The fields "AssetNo" at the asset and "Identifier" at the function unit have been extended to a length of 255 characters.
- Due to an error, it could happen during the assignment of a model to an asset that fields, which should be under sole control of the recognition synchronization process, were overwritten with values from the model definition.
- In the license metrics procedure for the calculation of Microsoft's second usage rights, several identified calculation errors have been corrected. For portable devices, the calculation will now only consider local installations.
- In case of several license metrics procedures, the behavior regarding the remote usage has been corrected.
- Due to an error in the employee information, it could happen under certain conditions that the selection list showed wrong employee data records.
- Due to an error in the synchronization process between Spider Asset and the recognition module, a performance loss could occur if software was deleted.

Spider Licence

- The name of the license field "Roaming" was changed to "Pooling".
- When creating a maintenance, an error could occur which prevented the storage of the object.
- Under certain conditions, an error could occur in the license maintenance wizard. This error could occur for example when changing from Microsoft Office 2013 to Microsoft Office 2016.

Spider Contract

- The reference object has been enhanced by the column "CurrencyCode".
- Due to an error in the payment plan, too many entries were created.