

Release Notes Ivanti Security Controls Connector / ISeC 2023.3.1

Functionality:

Addition of Scan Machine Table to Windows Patching (All) view

- **SCAN\_MACHINE**
- Dbo.ScanMachines

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	SmachScanId	Number	No – Foreign Key
Machine Group	groupName	String	Yes
Patch Scan Template	ScanTemplateName	String	No
Machine	sMachName	String	No
Machine FK	smachmmKey	Number	No – Foreign Key
Assessed Machine State FK	smachId	Number	No – Foreign Key
Not Found Reason Error Num	smachNotFoundReasonErrorNum	Number	Yes
Not Found Reason	smachNotFoundReason	String	Yes

Release Notes Ivanti Security Controls Connector / ISeC 2023.2.1

Functionality:

Additional Fields: Days Since Last Checkin returns number to 2 decimal places  
Time Since Last Checkin returns a grouped time period

View: Machine

- **AGENT**
- REPORTING2.AGENT

Field	Database Field	Data Type	Visible - Info
Days Since Last Checkin	LastCheckin	Number	Yes - Calculated
Time Since Last Checkin	LastCheckin	String	Yes – CASE Statement

Release Notes Ivanti Security Controls Connector / ISeC 2023.1.1

Functionality:

Additional Fields: Reboot Required added to Current Patching views and Deployment view

Additional View: Machines Never Scanned

- **MACHINE**
- Virtual Table

Field	Database Field	Data Type	Visible - Info
Machine	Smachname	String	Yes
Last Scan Date	smachScanDate	Date	Yes
Last Error #	smachNotFoundReasonErrorNum	String	Yes
Last Error Reason	smachNotFoundReason	String	Yes
ScanAttempts	scanCount	Number	Yes

Release Notes Ivanti Security Controls Connector / ISeC 2022.4.4

Functionality: Additional Fields: Patch Current Status and Patch Original Status added to appropriate Views

Release Notes Ivanti Security Controls Connector / ISeC 2022.4.1

Bugs:

- Possible duplication of patches in the xtrCurrentPatchStatus table causing MERGE to fail.

Solution:

- Additional step in the xtr\_CurrentPatchStatus stored procedure to remove any duplicates.

Release Notes Ivanti Security Controls Connector / ISeC 2022.3.3

#### Bugs:

- After an upgrade to OS, patches for previous OS remained visible in current status.

#### Solution:

- Script updated to remove all references to patches related to previous OS.

#### Release Notes Ivanti Security Controls Connector / ISeC 2022.3.2

Data model 2022.3.2 is dependent on 2022.3.2 + scripts run against the database

#### Functionality:

##### Stored Procedures:

- Updated Stored Procedures
  - Xtr\_CurrentPatchStatus – significant improvements to speed in returning data, especially the initial sync.
  - Xtr\_UpdateData – minor changes
- Additional Stored Procedures
  - Xtr\_CurrentDeployStatus – updates the xtrCurrentPatchStatus with the last deployid and detectedpatchstateid for any given patch on any machine.

##### Tables:

- Additional field “PatchGroup” added to the xtrCurrentPatchCount table, shows installed, missing, missingsp for all Patch Groups in all severities.

##### Data model:

Patch Group field added to Patch Counts table in Windows Patching (Current)

#### Release Notes Ivanti Security Controls Connector / ISeC 2022.3.1

Data model 2022.3.1 is dependent on 2022.2.2 + scripts run against the database

Functionality:

- Added Linux Patch Bulletin Details to Views:-
  - Linux Patching (Current)
  - Linux Patching (All)
  - Linux Patching (Latest)
  - Patches to Machine (Linux)

- **LINUX\_PATCH\_BULLETIN**

- Virtual Table

Field	Database Field	Data Type	Visible - Info
Linux Patch FK	LinuxPatchID	Number	No – Foreign Key
Linux Patch Bulletin	BulletinName	String	Yes
Linux Patch Bulletin Posted	BulletinPosted	DateTime	Yes
Linux Patch Bulletin Revised	BulletinRevised	DateTime	Yes

Additional Subquery:

Patches to Machine (Linux)

- Patch > Patch Bulletin

Data model 2022.2.2 is dependent on 2022.2.2 scripts run against the database

Functionality:

- Additional Definitions added to Cumulative Patch Table
  
- Additional Fields in the xtrCurrentPatchStatus table
  - DeployId
  - DetectedPatchStateId
  
- Additional tables to the Windows Patching (Current) View

## DEPLOYMENTS

### REPORTING2.PATCHDEPLOYMENT

Field	Database Field	Data Type	Visible - Info
Deploy PK	DeployId	Number	No – Primary Key
Deploy Result Code	ResultCode	String	Yes
Detected Patch State FK	DetectedPatchStateId	Number	No - Foreign Key
Deploy State FK	DeployStateId	Number	No – Foreign Key
Deploy Scheduled On	DeployScheduledOn	DateTime	Yes
Deploy Started On	DeployStartedOn	DateTime	Yes
Deploy Ended On	DeployEndOn	DateTime	Yes

## DEPLOY\_STATE

### REPORTING2.DEPLOYSTATE

Field	Database Field	Data Type	Visible - Info
Deploy State PK	Id	Number	No – Primary Key
Deploy State	Value	String	Yes
Deploy State Description	Description	String	Yes

- Additional table to the Deployments View

OS

## REPORTING2.PRODUCT

Field	Database Field	Data Type	Visible - Info
OS PK	Id	Number	No – Primary Key
OS	Name	String	Yes
OS Service Pack	ProductLevelName	String	Yes
OS Service Pack Order	ProductLevelOrder	Number	Yes
OS End Of Life On	EndOfLifeOn	Date	Yes

### Release Notes Ivanti Security Controls Connector / ISeC 2022.2.1

#### Functionality:

- Agent Status on following views
  - Machine
  - Windows Patching (Current)
  - Windows Patching (All)
  - Windows Patching (Latest)
  - Linux Patching (Current)
  - Linux Patching (All)
  - Linux Patching (Latest)

### Release Notes Ivanti Security Controls Connector / ISeC 2022.1.8

#### Functionality:

- Additional View – Patches to Machine (Linux)

- Additional table to the View
- Subqueries to new view

## Patches to Machine (Linux)

### LINUX\_PATCH

NIX.PATCH

Field	Database Field	Data Type	Visible - Info
Linux Patch PK	ID	Number	No – Primary Key
Vendor Severity FK	Severity	Number	No – Foreign Key
Linux Patch Type FK	Type	Number	No – Foreign Key
Linux Patch	Name	String	Yes
Linux Patch Update Date	Updated	DateTime	Yes
Linux Patch Guid	PatchId	Uniqueidentifier	No – Foreign Key

### LINUX\_PATCH\_TYPE

REPORTING2.LINUXPATCHTYPE

Field	Database Field	Data Type	Visible - Info
Linux Patch Type PK	ID	Number	No – Primary Key
Linux Patch Type	Value	String	Yes
Linux Patch Type Description	Description	String	Yes

### VENDOR\_SEVERITY

REPORTING2.VENDORSEVERITY

Field	Database Field	Data Type	Visible - Info
Vendor Severity PK	ID	Number	No – Primary Key
Linux Patch Vendor Severity	Value	String	Yes
Linux Patch Vendor Severity Description	Description	String	Yes

### LAST\_ASSESSED\_MACHINE

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
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Linux Detected Patch State PK	DetectedPatchState_PK	Number	No – Primary Key
Assessed Machine State FK	AssessedMachineStateFK	Number	No – Foreign Key
Linux Patch FK	LinuxPatchId	Number	No – Foreign Key
Linux Install State FK	LinuxInstallStateId	Number	No – Foreign Key
Patch Scan FK	PatchScan_FK	Number	No – Foreign Key
Assessed On	AssessedOn	Date	Yes
Machine PK	Machine_PK	Number	No – Foreign Key
DNS	DNSName	String	Yes
Domain	Domain	String	Yes
Last Known IP Address	LastKnownIP	String	Yes
Last Patch Machine Group	LastPatchMachineGroupName	String	Yes
Machine	Name	String	Yes
IP Address	IpAddress	String	Yes
Assigned Group	AssignedGroup	String	Yes

### LINUX\_PATCH\_APPLIES\_TO

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Linux Patch PK	LinuxPatchID	Number	No – Primary Key
CVE FK	CVEID	Number	No – Foreign Key
Linux Notification FK	LinuxNotificationId	Number	No – Foreign Key
Linux Platform FK	LinuxPlatformId	Number	No – Foreign Key

### APPLIES\_TO\_CVE

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Linux Patch FK	LinuxPatchId	Number	No – Foreign Key
CVE FK	CVEID	Number	No – Foreign Key

### PRODUCT\_PATCH\_CVE

REPORTING2.CVE

Field	Database Field	Data Type	Visible - Info
CVE PK	CVEID	Number	No – Primary Key
CVE	Name	String	Yes
CVSS (Max)	CVSS	Number	Yes
CVSS (Secondary)	CVSS3	Number	Yes
CVSS (Primary)	CVSS2	Number	Yes

### PATCH\_GROUP\_ITEM

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Linux Patch Guid	PatchId	String	No – Primary Key
Linux Patch Group FK	PatchGroupID	Number	No – Foreign Key

## LINUX\_PATCH\_GROUP

NIX.PATCHGROUP

Field	Database Field	Data Type	Visible - Info
Linux Patch Group PK	Id	Number	No – Primary Key
Patch Group	Name	String	Yes

## LINUX\_INSTALL\_STATE

REPORTING2.LINUXINSTALLSTATE

Field	Database Field	Data Type	Visible - Info
Linux Install State PK	ID	Number	No – Primary Key
Linux Install State	Value	String	Yes
Linux Install State Description	Description	String	Yes

## LINUX\_PATCH\_DEPLOYMENT

REPORTING2.LINUXPATCHDEPLOYMENT

Field	Database Field	Data Type	Visible - Info
Deployment PK	DeployID	Number	No – Primary Key
Deployment Error Code	ErrorCode	String	Yes
Install Ended On	InstallEndedOn	DateTime	Yes
Install Started On	InstallStartedOn	DateTime	Yes
Linux Completion Code FK	LinuxCompletionCodeId	Number	No – Foreign Key
Linux Detected Patch State FK	LinuxDetectedPatchStateId	Number	No - Foreign Key
Linux Error Step FK	LinuxErrorStepId	Number	No – Foreign Key

## SCAN\_TYPE

REPORTING2.SCANTYPE

Field	Database Field	Data Type	Visible - Info
Scan Type PK	Id	Number	No – Primary Key
Scan Type	Value	String	Yes

## LINUX\_COMPLETION\_CODE

REPORTING2.LINUXCOMPLETIONCODE

Field	Database Field	Data Type	Visible - Info
Linux Completion Code PK	Id	Number	No – Primary Key
Linux Completion Code	Value	String	Yes

## LINUX\_PATCH\_GROUP

## NIX.PATCHGROUP

Field	Database Field	Data Type	Visible - Info
Patch Scan PK	Id	Number	No – Primary Key
Patch Scan Console	ConsoleName	String	Yes
Patch Scan Definition Date	DefinitionDate	DateTime	Yes
Patch Scan Definition Version	DefinitionVersion	String	Yes
Patch Scan Ended On	EndedOn	DateTime	Yes
Patch Scan Is Scan Complete	IsScanComplete	String	Yes
Patch Scan	Name	String	Yes
Patch Scan Started On	StartedOn	DateTime	Yes
Patch Scan Template	ScanTemplateName	String	Yes
Patch Scan User	User	String	Yes
Patch Scan Type FK	PatchScanTypeID	Number	No – Foreign Key

## LINUX\_ERROR\_STEP

### REPORTING2.LINUXERRORSTEP

Field	Database Field	Data Type	Visible - Info
Linux Error Step PK	Id	Number	No – Primary Key
Linux Error Step	Value	String	Yes

## LINUX\_NOTIFICATION

### REPORTING2.LINUXNOTIFICATION

Field	Database Field	Data Type	Visible - Info
Linux Notification PK	Id	Number	No – Primary Key
Linux Notification	Value	String	Yes

## LINUX\_PLATFORM

### REPORTING2.LINUXPLATFORM

Field	Database Field	Data Type	Visible - Info
Linux Platform PK	Id	Number	No – Primary Key
Linux Platform	Value	String	Yes
Linux Platform Edition	Edition	String	Yes

## Subqueries

- Patch > Machine

CUSTOM\_FIELDS have been made inactive by default in all Views, as very few customers use them and it added a level of confusion

#### Release Notes Ivanti Security Controls Connector / ISeC 2022.1.6

##### Bugs:

- Virtual table in the SAM view would return inaccurate data for Installed software if the machine had at some point had a Security Controls agent installed or uninstalled between 2 scans.

##### Fix:

- Revised code to remove error.

#### Release Notes Ivanti Security Controls Connector / ISeC 2022.1.5

Functionality: Additional field Assigned Group added to the following views

- Machine
- Patches to Machine
- Windows Patching (Current)
- Windows Patching (All)
- Windows Patching (Latest)
- Linux Patching (Current)
- Linux Patching (All)
- Linux Patching (Latest)
- Patch Scans
- Patch Scans (Latest)
- Deployments

#### Release Notes Ivanti Security Controls Connector / ISeC 2022.1.4

##### Functionality:

- Additions tables/fields/sub-queries added to Patch Scans and Patch Scans (Latest) views

##### Bugs:

- Script to collate the Current State of Linux patching updated to return the correct values
- Dashboards updated with a changed filter from "Missing Patch" to "Missing" for Linux dashboards.

## Patch Scans

### MISSING\_CRITICAL\_PATCHES

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Missing Critical Patches	Critical	Number	Yes

### MISSING\_IMPORTANT\_PATCHES

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Missing Important Patches	Important	Number	Yes

### MISSING\_MODERATE\_PATCHES

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Missing Moderate Patches	Moderate	Number	Yes

### MACHINES\_SCANNED

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Machines Scanned	Scan	Number	Yes

### MACHINES\_NOT\_SCANNED

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Machines Not Scanned	NotScanned	Number	Yes

### SERVERS\_MISSING\_CRITICAL\_PATCHES

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Servers Missing Critical Patches	SMCP	Number	Yes

### SERVERS\_MISSING\_IMPORTANT\_PATCHES

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Servers Missing Important Patches	SMIP	Number	Yes

### **SERVERS\_MISSING\_MODERATE\_PATCHES**

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Servers Missing Moderate Patches	SMMP	Number	Yes

### **Patch Scans (Latest)**

#### **MISSING\_CRITICAL\_PATCHES**

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Missing Critical Patches	Critical	Number	Yes

#### **MISSING\_IMPORTANT\_PATCHES**

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Missing Important Patches	Important	Number	Yes

#### **MISSING\_MODERATE\_PATCHES**

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Missing Moderate Patches	Moderate	Number	Yes

#### **MACHINES\_SCANNED**

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Machines Scanned	Scan	Number	Yes

#### **MACHINES\_NOT\_SCANNED**

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Machines Not Scanned	NotScanned	Number	Yes

**SERVERS\_MISSING\_CRITICAL\_PATCHES**

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Servers Missing Critical Patches	SMCP	Number	Yes

**SERVERS\_MISSING\_IMPORTANT\_PATCHES**

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Servers Missing Important Patches	SMIP	Number	Yes

**SERVERS\_MISSING\_MODERATE\_PATCHES**

VIRTUAL TABLE

Field	Database Field	Data Type	Visible - Info
Patch Scan FK	PatchScanId	Number	No – Foreign Key
Servers Missing Moderate Patches	SMMP	Number	Yes

Additional Subqueries

View: Patch Scans

- Patch Scan > Missing Critical Patches
- Patch Scan > Missing Important Patches
- Patch Scan > Missing Moderate Patches
- Patch Scan > Scanned Machines
- Patch Scan > Machines Not Scanned
- Patch Scan > Servers Missing Critical Patches
- Patch Scan > Servers Missing Important Patches
- Patch Scan > Servers Missing Moderate Patches

## View: Patch Scans (Latest)

- Patch Scan > Missing Critical Patches
- Patch Scan > Missing Important Patches
- Patch Scan > Missing Moderate Patches
- Patch Scan > Scanned Machines
- Patch Scan > Machines Not Scanned
- Patch Scan > Servers Missing Critical Patches
- Patch Scan > Servers Missing Important Patches
- Patch Scan > Servers Missing Moderate Patches

## Release Notes Ivanti Security Controls Connector / ISeC 2022.1.2

### Functionality:

- EOL field added for Product Level in Machines View

### Additional Table in Machine View

## Machine

### PRODUCT\_LEVEL

#### LINKSPPRODUCT

Field	Database Field	Data Type	Visible - Info
Product FK	spplID	Number	No – Foreign Key
Product Level End Of Life	EndOfLife	Date	Yes

## Release Notes Ivanti Security Controls Connector / ISeC 2022.1.1

### Functionality:

- Multiple Languages included in all fields

## Release Notes Ivanti Security Controls Connector / ISeC 2021.4.9

### Functionality:

- Multiple Languages added to additional views

- Initial Cumulative Patches loaded in Database Objects script

Release Notes Ivanti Security Controls Connector / ISeC 2021.4.5

Functionality:

- Windows and Linux Patching (Current), (Latest) and (All) views, Distinct (Assessed, Deployed and Patched) tables now point to corresponding tables in the database rather than dynamically creating virtual tables. This reduces the delay for returning data in large sites from potentially minutes to seconds.

Tables are created and updated as part of the sync process for current patch status.

- Additional views created in the data model to report on Syncs and Sync Errors
- Additional Subqueries in Windows and Linux Patching (Current), (Latest) and (All) views, Distinct (Assessed, Deployed and Patched) tables

Security Controls Database, additional tables

xtrDistinctAssessed

Field	Database Field	Data Type	Visible - Info
MachineID	MachineID	Int	No – Foreign Key
Month	M	String	Yes
Year	Y	String	Yes
AssessedOn	AssessedOn	Date	Yes

xtrDistinctDeployed

Field	Database Field	Data Type	Visible - Info
MachineID	MachineID	Int	No – Foreign Key
Month	M	String	Yes
Year	Y	String	Yes
DeployedOn	AssessedOn	Date	Yes

xtrDistinctPatched

Field	Database Field	Data Type	Visible - Info
MachineID	MachineID	Int	No – Foreign Key
Month	M	String	Yes
Year	Y	String	Yes
PatchedOn	AssessedOn	Date	Yes

xtrLinuxDistinctDeployed

Field	Database Field	Data Type	Visible - Info
MachineID	MachineID	Int	No – Foreign Key
Month	M	String	Yes
Year	Y	String	Yes

DeployedOn	AssessedOn	Date	Yes
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## ENTITY\_PROCESS\_LOG

xtrEntityProcessLog

Field	Database Field	Data Type	Visible - Info
Batch PK	BATCHID	Int	No – Primary Key
Batch ID	BATCHID	String	Yes
Process Description	DESCRIPTION	String	Yes
Entity Process Log ID	ENTITYPROCESSLOGID	String	Yes
Process Log Date	LOGDATE	Date	Yes
Process Procedure Name	PROCEDURENAME	String	Yes

## PROCESS\_ERROR\_LOG

xtrEntityProcessErrorLog

Field	Database Field	Data Type	Visible - Info
Batch ID	BATCHID	Int	Yes
Entity Name	ENTITYNAME	String	Yes
Entity Process Error Log PK	ENTITYPROCESSERRORLOGID	String	No – Primary Key
Error Line	ERRORLINE	String	Yes
Error Message	ERRORMESSAGE	String	Yes
Error Number	ERRORNUMBER	String	Yes
Error Procedure	ERRORPROCEDURE	String	Yes
Error Severity	ERRORSEVERITY	String	Yes
Error State	ERRORSTATE	String	Yes
Error Log Date	ERRORLOGDATE	Date	Yes

## Additional Subqueries

View: Windows Patching (Current)

- Machine > Distinct Assessed
- Machine > Distinct Deployed
- Machine > Distinct Patched

View: Windows Patching (All)

- Machine > Distinct Assessed
- Machine > Distinct Deployed
- Machine > Distinct Patched

View: Windows Patching (Latest)

- Machine > Distinct Assessed
- Machine > Distinct Deployed

- Machine > Distinct Patched

View: Linux Patching (Current)

- Machine > Distinct Deployed

View: Linux Patching (All)

- Machine > Distinct Deployed

View: Linux Patching (Latest)

- Machine > Distinct Deployed

#### Release Notes Ivanti Security Controls Connector / ISeC 2021.4.3

Bugs: Windows Patching (Current) view, Cumulative Patches latest installed record deleted when syncing leaving previous record and status.

Fix: Change in logic in stored procedure deletes earlier record and leaves latest.

#### Release Notes Ivanti Security Controls Connector / ISeC 2021.4.2

Bugs: Patch Counts in both Windows Patching (All) and Linux Patching (All) only returned the Latest Patch Counts

Fix: Patch Counts now return correct values for each scan

#### Release Notes Ivanti Security Controls Connector / ISeC 2021.4.1

Bugs: When using the RefreshSecurityControls.sql script with Windows Scheduler, the sync may fail if collation is configured to be case-sensitive.

Fix: All variables in script have been changed to Upper Case

#### Release Notes Ivanti Security Controls Connector / ISeC 2021.3.13

Bugs: Virtual table on SAM view was not including Agent discovered software

Fix: Updated virtual table to include both software scanned manually and by agent.

Functionality: Additional field included in SAM view to filter, list and group on "Is Agent"

#### Release Notes Ivanti Security Controls Connector / ISeC 2021.3.12

Bugs: Instances using SQL Express with the Windows Task Scheduler Sync may have conflicts between Security Controls and Xtraction tasks.

Fix: Changed the file location folder structure and the Windows Task Scheduler folder structure.

#### Release Notes Ivanti Security Controls Connector / ISeC 2021.3.11

Bugs: JOIN Error between LATEST\_PATCH\_STATUS and INSTALL\_STATE

Fix: Changed JOIN to DETECTED\_PATCH\_STATE and INSTALL\_STATE

#### Release Notes Ivanti Security Controls Connector / ISeC 2021.3.10

Bugs: Current Patch Status Sync Stored Procedures Timing Out in larger environments

Fix: Updated and more efficient code in several of the stored procedures.

#### Release Notes Ivanti Security Controls Connector / ISeC 2021.3.9

Bugs: Subquery Link ID "SECURITY\_CONTROLS.WINDOWS\_PATCH.MACHINE\_ASSESSEDON", Not Valid

Dashboard "Machines Deployed/Patched in the Last X Time Frame (Windows)" fails

Same dashboard is marked as Default 30 Days, but filters were 90 Days

Fix: ID on Subquery updated, dashboard has the correct date range filter

#### Release Notes Ivanti Security Controls Connector / ISeC 2021.3.8

Bug Fixes: Upgrade of Security Controls:

During any upgrade of the Security Controls application, all Store Procedures are dropped from the Security Controls database (including potentially the new Xtraction procedures added as part of the Security Controls Connector 2021.3.1+). Data will no longer be updated and the scheduled events in the SQL Agent or Windows Task Scheduler will fail.

Fix: The SQL Agent job and the Windows Task both have a self-healing script, if any or all of the Xtraction Stored Procedures are missing, the job will rebuild all the Stored Procedures prior to running the sync. The issue will be imperceptible to the end user.

Functionality:

Updated list of Cumulative Patches

Release Notes Ivanti Security Controls Connector / ISeC 2021.3.7

Bug Fixes:

“Script - Ivanti Security Controls Create Database Objects.sql” had a variable declared and used with different mixed cases @BatchId and @BatchID.

In environments with case-sensitive collation, the stored procedures failed.

Fix: All schemas and tables are in camel case, all fields, variables and commands are in Upper Case

Functionality:

Data sync uses the SQL Agent for scheduling however if the Express edition of SQL Server, the agent is disabled. There is now an additional “CreateISeCSyncTask.zip” file included in the Security Controls connector that creates a task in the Task Scheduler to overcome this shortfall.

It is not needed if any other edition of SQL Server aside from Express is used.

Release Notes Ivanti Security Controls Connector / ISeC 2021.3.6

Bug Fixes:

View: Windows Patching (All)

Missing join between DETECTED\_PATCH\_STATE and PATCH\_DEPLOYMENT

View: Windows Patching (Latest)

Missing join between LAST\_DETECTED\_PATCH\_STATE and LAST\_PATCH\_DEPLOYMENT

Fix: Joins added

Release Notes Ivanti Security Controls Connector / ISeC 2021.3.5

Bug Fixes:

Windows Patching (Current) view showed patch status for some obsolete patches where superseded by other not directly related patches.

ie. An IE10 patch was obsolete if a Security Monthly Quality Rollup was installed.

Fix: changes to the stored procedures gathering patch installation information.

#### Bug Fixes:

Windows Patching (Current) view showed patch status for obsolete patches if the machines Operating System was upgraded:

ie. A machine was in service and scanned while it had a Windows Server 2012 OS, the machine was then upgraded to a Windows Server 2016 OS, Xtraction still showed patches installed and missing for the original OS in addition to those required for the new OS.

Fix: If a machine is upgraded in reference to an OS, all existing patches / scan data regardless of status are removed from the CurrentPatchStatus table. All patch data will be updated starting with the first scan after the upgrade.

## Ivanti Security Controls – Xtraction Connector

#### Issues with the current ISeC connector

- The latest scan of all machines (Linux and Windows) and all scans of all machines (Linux and Windows) are in the same view.
  - o This can be very confusing for the end-user.
  - o Mixing of filters from Latest and All will give inconsistent results.
  - o The addition of a Latest Scan field into a dashboard for All Scans (and vice-versa) will deliver inconsistent results.
  - o Unless the last scan for a machine is for all patches, there is no way of reporting on the current security posture of a machine.
    - ie. If the second last scan for a machine for **all** patches indicated that 100 were installed and 100 were missing and then the final scan was for just 2 patches and both were installed, then the report would come back that the machine was 100% compliant when in fact that was not the case.

#### New Connector

- Scan views have been separated into 3 views Current, All and Latest.
  - o Far more simplistic and delivers consistent and accurate results.
- There are a number of stored procedures that run periodically to collate the data from all scans for all machines into separate tables.

- This enables the real-time reporting on the compliance of a machine regardless of the status of the last or any individual scan.
- It takes the status of a patch the last time that the machine was scanned for it and it was detected whether it was today or a year ago and determines that as the current status.

## Dashboards

- Because of the major changes in the new connector, all IDs have been changed and so all existing dashboards will not work with the new connector.
- All existing OOTB content has been replicated distributed with the new connector.
- End-user built dashboards will not work with the new connector.

## Naming Conventions

- The connector is now named “Ivanti Security Controls” rather than “ISeC” to distinguish the two.
- Dashboards now install into the “Ivanti Security Controls” folder rather than the “Ivanti-ISeC” folder, again to remove any conflict or confusion.

## Running both connectors in the one datamodel

- Both connectors can run in the same datamodel pointing to the same or separate instances of Security Controls.
- No updates or enhancements will be made to the old connector going forward.

## Installation

- Similar to other connectors apart from the fact that 2 scripts need to be run against the Security Controls database with admin rights.

## Changes from the ISeC connector

## **VIEWS – SECURITY CONTROLS vs ISeC**

## Machine

- Both Connectors
  - o No Change

## Patches to Machine

- Both Connectors
  - o No Change

## **(NEW)** Windows Patching (Current)

- New to Security Controls connector
  - o Gives a view on the current status of a machine and the last detection of a patch status regardless of when that detection occurred.  
ie. A full scan was done on a machine 12 months prior and subsequently had numerous scans but only for specific patches, the returned dataset will include the last status for any of the specific patches scanned and the scan status from 12 months ago for any other patches not included in the subsequent specific scans.

## Windows Patching (All)

- Subset of Windows Patching in the ISeC connector  
Essentially the Windows Patching view but with all references to Latest scan removed.
  - o Returns data on all scans for a user defined period.
  - o Use when details on a particular scan is required.
  - o Results may return multiple rows of information if multiple scans have been made in a specific time frame.
  - o Results should be validated because of the potential for duplicate rows being returned.

## Windows Patching (Latest)

- Subset of Windows Patching in the ISeC connector  
Similar to the Windows Patching view but with only references to the latest scan for a given machine.
  - o Returns data only on the very last scan for a machine.  
ie. If the second last scan for a machine for **all** patches and the last was only for 2 patches, then data on just the 2 patches would be returned.
  - o If Machine A was scanned today and Machine B was scanned a month ago, the results returned would be from a mix of scans, today's related to Machine A and Machine B's from a month ago.

## **(NEW)** Linux Patching (Current)

- New to Security Controls connector
  - o Gives a view on the current status of a machine and the last detection of a patch status regardless of when that detection occurred.  
ie. A full scan was done on a machine 12 months prior and subsequently had numerous scans but only for specific patches, the returned dataset will include the last status for any of the specific patches scanned and the scan status from 12 months ago for any other patches not included in the subsequent specific scans.

## Linux Patching (All)

- Subset of Linux Patching in the ISeC connector

Essentially the Linux Patching view but with all references to Latest scan removed.

- Returns data on all scans for a user defined period.
- Use when details on a particular scan is required.
- Results may return multiple rows of information if multiple scans have been made in a specific time frame.
- Results should be validated because of the potential for duplicate rows being returned.

## Linux Patching (Latest)

- Subset of Linux Patching in the ISeC connector

Similar to the Linux Patching view but with only references to the latest scan for a given machine.

- Returns data only on the very last scan for a given machine.  
ie. If the second last scan for a machine for **all** patches and the last was only for 2 patches, then data on just the 2 patches would be returned.
- If Machine A was scanned today and Machine B was scanned a month ago, the results returned would be from a mix of scans, today's related to Machine A and Machine B's from a month ago.

## Event

- Both Connectors
  - No Change

## AC Configuration

- Both Connectors
  - No Change

## Asset

- Both Connectors
  - No Change

## SAM

- Both Connectors
  - No Change

## Patches

- Both Connectors
  - No Change

## Patch Scans

- Both Connectors
  - No Change

#### Patch Scans (Latest)

- Both Connectors
  - o No Change

#### Deployments

- Both Connectors
  - o No Change

#### Vulnerabilities

- Both Connectors
  - o No Change

#### Top 10 Vulnerable Machines

- Both Connectors
  - o No Change

Release Notes Ivanti Security Controls Connector / ISeC 2021.2.1

Functionality:

Additional Tables/Fields added to the following **Ivanti ISeC** connector

## **Ivanti Security Controls**

### **Windows Patching**

LAST\_DEPLOYMENT

Virtual Table query altered to improve efficiency.

Default Fields

Last Product added

### **Deployments**

PATCH\_GROUP

PATCHGROUP

Field	Database Field	Data Type	Visible - Info
Patch Group PK	pgrpKey	Int	No – Primary Key
Patch Group	pgrpName	String	Yes
Patch Group Last Updated	pgrpUpdateDate	Date	Yes

## INSTALL\_STATE

### INSTALLSTATE

Field	Database Field	Data Type	Visible - Info
Patch Install State PK	id	Int	No – Primary Key
Patch Install State	Value	String	Yes - CASE Statement
Patch Install State Description	Description	String	Yes
Patch Installed	Value	String	Yes – CASE Statement
Virus Protection	Value	String	Yes – CASE Statement

Release Notes Ivanti Security Controls Connector / ISeC 2021.1.3

Functionality:

Additional Tables/Fields added to the following **Ivanti ISeC** connector

## Ivanti Security Controls

### Machine

#### CUSTOM

##### MANAGEDMACHINES

Field	Database Field	Data Type	Visible - Info
Machine FK	mmKey	Int	No – Foreign Key
Custom Tag 1	mmCustom1	String	Yes
Custom Tag 2	mmCustom2	String	Yes
Custom Tag 3	mmCustom3	String	Yes

## Windows Patching

## CUSTOM

### MANAGEDMACHINES

Field	Database Field	Data Type	Visible - Info
Machine FK	mmKey	Int	No – Foreign Key
Custom Tag 1	mmCustom1	String	Yes
Custom Tag 2	mmCustom2	String	Yes
Custom Tag 3	mmCustom3	String	Yes

## Linux Patching

### CUSTOM

#### MANAGEDMACHINES

Field	Database Field	Data Type	Visible - Info
Machine FK	mmKey	Int	No – Foreign Key
Custom Tag 1	mmCustom1	String	Yes
Custom Tag 2	mmCustom2	String	Yes
Custom Tag 3	mmCustom3	String	Yes

## Combined Patching

### CUSTOM

#### MANAGEDMACHINES

Field	Database Field	Data Type	Visible - Info
Machine FK	mmKey	Int	No – Foreign Key
Custom Tag 1	mmCustom1	String	Yes
Custom Tag 2	mmCustom2	String	Yes
Custom Tag 3	mmCustom3	String	Yes

## Patch Scans

### CUSTOM

#### MANAGEDMACHINES

Field	Database Field	Data Type	Visible - Info
Machine FK	mmKey	Int	No – Foreign Key
Custom Tag 1	mmCustom1	String	Yes
Custom Tag 2	mmCustom2	String	Yes
Custom Tag 3	mmCustom3	String	Yes

## Patch Scans (Latest)

### CUSTOM

MANAGEDMACHINES

Field	Database Field	Data Type	Visible - Info
Machine FK	mmKey	Int	No – Foreign Key
Custom Tag 1	mmCustom1	String	Yes
Custom Tag 2	mmCustom2	String	Yes
Custom Tag 3	mmCustom3	String	Yes

## Deployments

### CUSTOM

MANAGEDMACHINES

Field	Database Field	Data Type	Visible - Info
Machine FK	mmKey	Int	No – Foreign Key
Custom Tag 1	mmCustom1	String	Yes
Custom Tag 2	mmCustom2	String	Yes
Custom Tag 3	mmCustom3	String	Yes

Release Notes Ivanti Security Controls Connector / ISeC 2021.1.2

Functionality:

Additional View/Tables/Fields added to the following **Ivanti ISeC** connector

## Ivanti Security Controls

### Patch Scans (Latest)

Identical to the Patch Scan view except it only returns the latest scan for each named scan

## Windows Patching

Last\_Patch\_CVE, returns a single highest value for the Last patches CVSS (Primary), CVSS (Secondary) scores, CVSS (Max) returns whichever of these numbers that is the greater.

### LAST\_PATCH\_CVE

VIRTUAL\_TABLE

Field	Database Field	Data Type	Visible - Info
Last Patch FK	PatchID	Number	No – Foreign Key
Last Product FK	ProductID	Number	No – Foreign Key
Last Patch CVSS (Max)	MAXCVSS (Virtual)	Number	Yes
Last Patch CVSS (Primary)	CVSSV2	Number	Yes
Last Patch CVSS (Secondary)	CVSSV3	Number	Yes

Last\_CVE, returns the highest value for the Last CVE CVSS (Primary), CVSS (Secondary) scores, CVSS (Max) returns whichever of these numbers that is the greater. Returns All CVEs and Scores for any Last Patch.

### LAST\_CVE

CVE

Field	Database Field	Data Type	Visible - Info
Last CVE PK	ID	Number	No – Primary Key
Last CVE Name	Name	String	Yes
Last Patch CVSS (Max)	CVSSV2 / CVSSV3	Number	Yes - CASE Statement
Last Patch CVSS (Primary)	CVSSV2	Number	Yes
Last Patch CVSS (Secondary)	CVSSV3	Number	Yes

Product\_Patch\_CVE, returns a single highest value for all patches CVSS (Primary), CVSS (Secondary) scores, CVSS (Max) returns whichever of these numbers that is the greater.

### PRODUCT\_PATCH\_CVE

VIRTUAL\_TABLE

Field	Database Field	Data Type	Visible - Info
Patch FK	PatchID	Number	No – Foreign Key
Product FK	ProductID	Number	No – Foreign Key
Patch CVSS (Max)	MAXCVSS (Virtual)	Number	Yes
Patch CVSS (Primary)	CVSSV2	Number	Yes
Patch CVSS (Secondary)	CVSSV3	Number	Yes

CVE, returns the highest value for all CVE CVSS (Primary), CVSS (Secondary) scores, CVSS (Max) returns whichever of these numbers that is the greater. Returns All CVEs and Scores for any Patch.

### CVE

CVE

Field	Database Field	Data Type	Visible - Info
CVE PK	ID	Number	No – Primary Key

CVE Name	Name	String	Yes
CVE CVSS (Max)	CVSSV2 / CVSSV3	Number	Yes - CASE Statement
CVE CVSS (Primary)	CVSSV2	Number	Yes
CVE CVSS (Secondary)	CVSSV3	Number	Yes

### Combined Patching

Last\_Patch\_CVE2, returns a single highest value for the Last patches CVSS (Primary), CVSS (Secondary) scores, CVSS (Max) returns whichever of these numbers that is the greater.

### LAST\_PATCH\_CVE2

VIRTUAL\_TABLE

Field	Database Field	Data Type	Visible - Info
Last Patch FK	PatchID	Number	No – Foreign Key
Last Product FK	ProductID	Number	No – Foreign Key
Last Patch CVSS (Max)	MAXCVSS (Virtual)	Number	Yes
Last Patch CVSS (Primary)	CVSSV2	Number	Yes
Last Patch CVSS (Secondary)	CVSSV3	Number	Yes

Last\_CVE, returns the highest value for the Last CVE CVSS (Primary), CVSS (Secondary) scores, CVSS (Max) returns whichever of these numbers that is the greater. Returns All CVEs and Scores for any Last Patch.

### LAST\_CVE

CVE

Field	Database Field	Data Type	Visible - Info
Last CVE PK	ID	Number	No – Primary Key
Last CVE Name	Name	String	Yes
Last Patch CVSS (Max)	CVSSV2 / CVSSV3	Number	Yes - CASE Statement
Last Patch CVSS (Primary)	CVSSV2	Number	Yes
Last Patch CVSS (Secondary)	CVSSV3	Number	Yes

Product\_Patch\_CVE2, returns a single highest value for all patches CVSS (Primary), CVSS (Secondary) scores, CVSS (Max) returns whichever of these numbers that is the greater.

### PRODUCT\_PATCH\_CVE2

VIRTUAL\_TABLE

Field	Database Field	Data Type	Visible - Info
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Patch FK	PatchID	Number	No – Foreign Key
Product FK	ProductID	Number	No – Foreign Key
Patch CVSS (Max)	MAXCVSS (Virtual)	Number	Yes
Patch CVSS (Primary)	CVSSV2	Number	Yes
Patch CVSS (Secondary)	CVSSV3	Number	Yes

CVE, returns the highest value for all CVE CVSS (Primary), CVSS (Secondary) scores, CVSS (Max) returns whichever of these numbers that is the greater. Returns All CVEs and Scores for any Patch.

## CVE

CVE

Field	Database Field	Data Type	Visible - Info
CVE PK	ID	Number	No – Primary Key
CVE Name	Name	String	Yes
CVE CVSS (Max)	CVSSV2 / CVSSV3	Number	Yes - CASE Statement
CVE CVSS (Primary)	CVSSV2	Number	Yes
CVE CVSS (Secondary)	CVSSV3	Number	Yes

Release Notes Ivanti Security Controls Connector / ISeC 2021.1.1

Functionality:

Additional Tables/Fields added to the following **Ivanti ISeC** views

## Ivanti Security Controls

### Windows Patching

Source Type for the Last Scan

#### LAST\_SOURCE\_TYPE

SOURCETYPE

Field	Database Field	Data Type	Visible - Info
Last Source Type PK	Id	Number	No – Primary Key
Last Source Type	Value	String	Yes
Last Source Type Description	Value	String	Yes

Source Type for all Scans

## SOURCE\_TYPE

SOURCETYPE

Field	Database Field	Data Type	Visible - Info
Source Type PK	Id	Number	No – Primary Key
Source Type	Value	String	Yes
Source Type Description	Value	String	Yes

## Combined Patching

Source Type for the Last Scan

## LAST\_SOURCE\_TYPE

SOURCETYPE

Field	Database Field	Data Type	Visible - Info
Last Source Type PK	Id	Number	No – Primary Key
Last Source Type	Value	String	Yes
Last Source Type Description	Value	String	Yes

## AC Configuration

### CONFIGURATION

ACCONFIGURATION

Field	Database Field	Data Type	Visible - Info
Configuration PK	Uid	Number	No – Primary Key
Configuration	Value	String	Yes
Version	Value	String	Yes

### CONFIG\_VERSION

ACCONFIGURATIONVERSION

Field	Database Field	Data Type	Visible - Info
Configuration FK	ACConfigurationId	Number	No – Foreign Key
Configuration Version	ConfigurationVersion	String	Yes
Configuration Description	Description	String	Yes
Configuration Last Modified	LastModifiedTime	Datetime	Yes
Configuration Last Modified By	LastModifiedUser	String	Yes
Is Event Collection Enabled	IsEventCollectionEnabled	String	CASE Statement
Schema Version	SchemaVersion	String	Yes

**Bugs Fix:**

All fields in PRODUCT\_PATCH\_CVE table in Windows Patching View were using the incorrect Alias PRODUCT\_PATCH\_CVE2

**Dashboard:**

Additional Dashboard added to Patch Scans, related to Lastest Patch Scan