# Kelverion

## CMDB Population Solution

### Automated Population of third party CMDBs with System Center data

**T**his CMDB Population Solution enables System Center customers to use the actual asset data captured by their System Center tools to populate their third party CMDB products.

For anyone who has a CMDB or is considering implementing a CMDB product the biggest challenge they face is not which product to buy but how am I going to populate the CMDB and insure the data it holds is current?

Traditionally there have been two approaches to solving this thorny issue; manually enter the data or purchase an Asset Discovery engine which can populate your CMDB. Both approaches have significant challenges.

The manual approach requires significant manpower and the data accuracy is only as good as the keying in of the data and when a human last updated it.

| Name | | User Name | | OS | | | | Serial Number |
|------|-----|-----------|-----|-----|------|---|------------|---------------|
| SVR-SVCS-CONFIG | AD | None | N/A | Microsoft Windows Server 2022 Standard | None | VMware, Inc. | VMware20,1 | VMware-42 2a 79 1f ba 00 04 fc-7f 8c 38 79 96 85 c... |
| SVR-INFRA-AUX01 | AD | None | N/A | Microsoft Windows Server 2022 Standard | None | VMware, Inc. | VMware20,1 | VMware-42 2a 9e 8f 0f 7d ab ae-65 48 d2 0b 8c 1a ... |
| SVR-SVCS-SCO22D | AD | None | N/A | Microsoft Windows Server 2022 Standard | None | VMware, Inc. | VMware20,1 | VMware-42 2a 08 9b a0 91 81 88-c6 80 57 8e 4a fb ... |
| SVR-SVCS-SQL01 | AD | None | N/A | Microsoft Windows Server 2022 Standard | None | VMware, Inc. | VMware20,1 | VMware-42 2a d7 61 87 11 6d 85-d7 38 ba b6 79 38... |
| SVR-SVCS-PORTD1 | AD | None | N/A | Microsoft Windows Server 2022 Standard | None | VMware, Inc. | VMware20,1 | VMware-42 2a 71 8f a8 18 9b 09-b2 24 1f 95 88 0d ... |

The Asset Discovery engine brings its own challenges. Although it automates the data entry, the asset information it discovers and reports is often different to that captured by the Enterprise Management tools and you get a lot of data entered into the CMDB you do not actually need. Both situations cause a great deal of confusion for the operations staff. Also an Asset Discovery engine places a significant extra management traffic load on the Network each time it polls to check if any Asset has changed or been added.

The ideal solution to CMDB population and management is to use the Asset data discovered by your Enterprise Management tools to populate your CMDB. This insures the data in your CMDB is the same as that seen by the Management tools and hence your Operations staff and you only gather management data once.
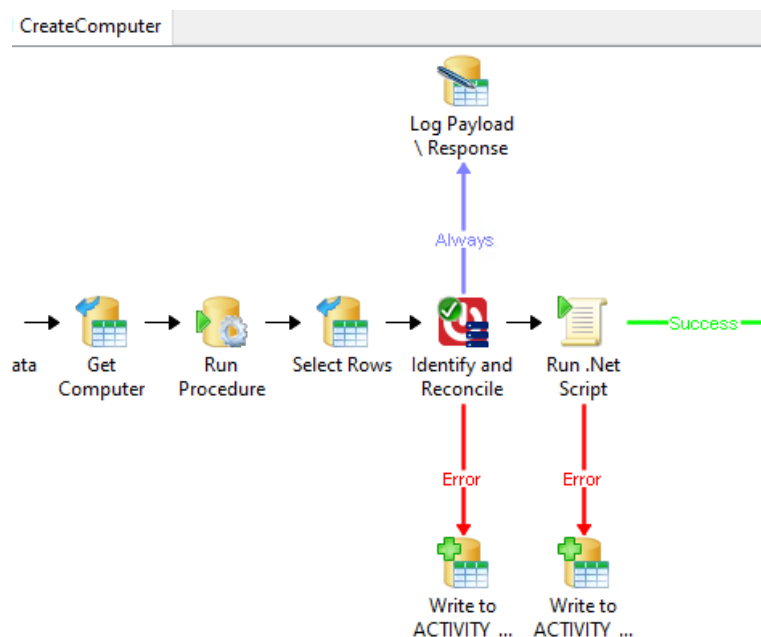




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This Orchestrator driven solution delivers a number of fully automated functions:

- Populate your CMDB with all New Assets discovered by the SCCM or SCOM.
- Automatically update your CMDB with changes to Assets discovered by SCCM or SCOM.
- Automatically builds Relationships between Assets as discovered and defined by the SCCM and SCOM

The offering automatically discovers a range of common Asset data points and then you can configure the solution to populate your CMDB with any additional data you want and none of the data you don't.

The CMDB Population Solution out of the box is configured to populate the ServiceNow CMDB but the offering can support the any Service Desk which supports CMDB Asset Creation and Update.

Please contact us to discuss your requirements.

| Computers | Most recent discove ▾ | Search |
|---|---|
| **Name** | **Operating System** |
| SVR-SVCS-SCO22D | Microsoft Windows Server 2022 Standar |
| SVR-SVCS-SQL01 | Microsoft Windows Server 2022 Standar |
| SVR-SVCS-SCO25D | Microsoft Windows Server 2022 Standar |
| SVR-TEST-SVR002 | Microsoft Windows Server 2022 Standar |
| SVR-TEST-SVR001 | Microsoft Windows Server 2022 Standar |
| SVR-INFRA-AUX01 | Microsoft Windows Server 2022 Standar |
| SVR-SVCS-PORTD1 | Microsoft Windows Server 2022 Standar |
| SVR-SVCS-SCO19D | Microsoft Windows Server 2019 Standar |
| DEVSV2 | Microsoft Windows Server 2019 Datacer |
| SVR-SVCS-SCO22P | Microsoft Windows Server 2022 Standar |

## SOLUTION IMPLEMENTATION

The solution is available on it's own or as a Kelverion lead installation and configuration. In this option you provide Kelverion with remote access to your environment and then a Kelverion consultant will lead the installation and configuration of the solution into your environment and you will provide the subject matter expertise around your CMDB configuration.

The solution implementation service is valid for 3 months from solution purchase.

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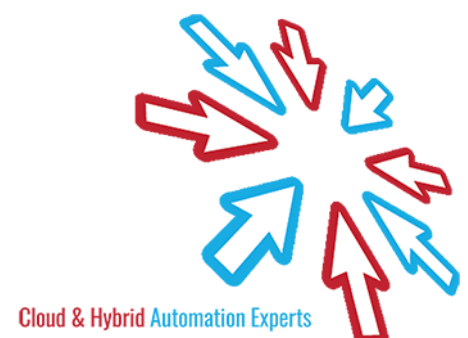
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The scope of the Kelverion led implementation is defined as:

1. Integration of solution with ServiceNow only

2. Deployment into a single environment only i.e. Non-Production or Production not both

3. Configuration of the integration to SCCM or SCOM or both.

4. Configuration of the integration to the ServiceNow Identification and Reconciliation engine (IRE) Only

5. The Asset data will be discovered by SCCM and SCOM and recorded into their respective databases

6. Orchestrator take a temporary copy of that data from SCCM and SCOM weekly and identify New and Updated items

7. Orchestrator will process the SCCM and SCOM data and normalise it into Configuration Item type data

8. For each item, Orchestrator, will create an entry in a ServiceNow IRE Import JSON payload..

ServiceNow will then read in this IRE JSON Import file and then using IRE rules create a new CI Record of the appropriate type or update an existing record.

You are responsible for:

- Providing Kelverion with remote access to your environment
- Installing the System Center tools, including Orchestrator and the other target systems
- Agreeing the format of the ServiceNow IRE JSON Import Files
- The loading and transforming of the IRE JSON Import files.  This is a task to be conducted by your ServiceNow team.

The exact data reported for each Client device in SCOM depends on;

- The version of Windows Operating System
- The Management Packs deployed in the SCOM instance
- That discovery has been enabled in those Management Packs.  This may require a custom override to be turned on SCOM.
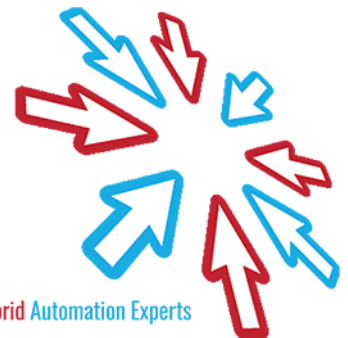
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## Class Computer

| Property | Source SCCM | Source SCOM |
|---|---|---|
| Computer Name | ✓ | |
| Computer Type | ✓ | |
| Computer Status | ✓ | |
| Is Virtual | | ✓ |
| Host Server Name | | |
| Manufacturer | ✓ | |
| Operating System | ✓ | |
| Memory | ✓ | |
| Description | ✓ | |
| Number of Disks | | ✓ |
| Number of Interfaces | | ✓ |
| Organizational Unit | | ✓ |
| Number of Physical Processors | | ✓ |
| Number Of Logical Processors | | ✓ |
| Network Name | | ✓ |
| IP Address | | ✓ |
| Netbios Name | | ✓ |
| DNS Name | | ✓ |
| Display Name | | ✓ |
| Offset to GMT | | ✓ |

## Class Processor

| Property | Source SCCM | Source SCOM |
|---|---|---|
| Computer Name | ✓ | ✓ |
| Processor Name | ✓ | ✓ |
| Address Width | ✓ | ✓ |
| Caption | ✓ | |
| Description | ✓ | ✓ |
| Device ID | ✓ | ✓ |
| Family | ✓ | ✓ |
| Is 64 Bit | ✓ | |
| Install Date | ✓ | |
| Instance Key | ✓ | |
| Is Hyper Thread Capable | ✓ | |
| Is Hyper Thread Enabled | ✓ | |
| Is Virtualization Capable | ✓ | |
| Manufacturer | ✓ | ✓ |
| Max Clock Speed | ✓ | ✓ |
| Name | ✓ | |
| Number of Cores | ✓ | |
| Number of Logical Processors | ✓ | |
| Processor ID | ✓ | |
| Role | ✓ | |
| Processor Status | ✓ | |
| Revision ID | ✓ | |
| Speed | ✓ | ✓ |
| System Name | ✓ | |
| Version | ✓ | ✓ |

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## Class Disk

| Property | Source SCCM | Source SCOM |
|---|---|---|
| Computer Name | ✓ | ✓ |
| Disk Name | ✓ | ✓ |
| Caption | ✓ | |
| Disk Size | ✓ | ✓ |
| Description | ✓ | ✓ |
| Device Id | ✓ | ✓ |
| Index | ✓ | ✓ |
| Install Date | ✓ | |
| Interface Type | ✓ | ✓ |
| Manufacturer | ✓ | ✓ |

## Class Logical Disk

| Property | Source SCCM | Source SCOM |
|---|---|---|
| Computer Name | ✓ | ✓ |
| Disk Name | ✓ | ✓ |
| Caption | ✓ | |
| Description | ✓ | ✓ |
| Device | ✓ | ✓ |
| File System | ✓ | ✓ |
| Free Space | ✓ | |
| Install Date | ✓ | |
| Name | ✓ | ✓ |
| Purpose | ✓ | |
| Size | ✓ | ✓ |
| Device Status | ✓ | |
| System Name | ✓ | |
| Time Key | ✓ | |
| Volume Name | ✓ | ✓ |
| Volume Serial Number | ✓ | |

## Class Network Interface

| Property | Source SCCM | Source SCOM |
|---|---|---|
| Computer Name | ✓ | ✓ |
| Interface Name | ✓ | ✓ |
| Caption | ✓ | |
| Description | ✓ | ✓ |
| DNS Host Name | ✓ | |
| DNS Domain | ✓ | ✓ |
| Instance Key | ✓ | |
| Index | ✓ | ✓ |
| IP Address | ✓ | ✓ |
| IP Subnet | ✓ | ✓ |
| IPX Address | ✓ | |
| IPX Enabled | ✓ | |
| Mac Address | ✓ | ✓ |
| MTU | ✓ | |
| Service Name | ✓ | |
| Revision ID | ✓ | |

Further CI record types can be provided as part of a custom engagement.

Kelverion are an established Independent Software Vendor specialising in IT Automation solutions. Kelverion provides software and specialist consultancy solutions for Microsoft Azure and the Microsoft System Center suite.

Find out more at http://www.kelverion.com

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