VERSION 3.0

Advanced Services

My Control System - Data Collector Release Notes

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Table of Contents

About This Release Notes

Any security measures described in this user manual, for example, for user access, password security, network security, firewalls, virus protection, and so on, represent possible steps that a user of a system may want to consider based on a risk assessment for a particular application and installation. This risk assessment, as well as the proper implementation, configuration, installation, operation, administration, and maintenance of all relevant security related equipment, software, and procedures, are the responsibility of the user of the system.

This release note describes features and known problems in the MCS Data Collector (MCS-DC).

Release Notes Conventions

Microsoft Windows conventions as defined in the *Microsoft Writing Style Guide* are normally used for the standard presentation of material when entering text, key sequences, prompts, messages, menu items, screen elements, and so on.

Warning, Caution, Information, and Tip Icons

This user manual includes **Warning**, **Caution**, and **Information** where appropriate to point out safety related or other important information. It also includes **Tip** to point out useful hints to the reader. The corresponding symbols should be interpreted as follows:

Ex warning icon indicates important Ex-relevant information related to installations and applications in hazardous areas.

Electrical warning icon indicates the presence of a hazard that could result in *electrical shock*.

Warning icon indicates the presence of a hazard that could result in *personal injury*.

Caution icon indicates important information or warning related to the concept discussed in the text. It might indicate the presence of a hazard that could result in *corruption of software or damage to equipment/property.*

Required action icon indicates actions that are required for the product or system to function as intended.

Information icon alerts the reader to pertinent facts and conditions.

Tip icon indicates advice on, for example, how to design your project or how to use a certain function.

Although **Warning** hazards are related to personal injury, and **Caution** hazards are associated with equipment or property damage, it should be understood that operation of damaged equipment could, under certain operational conditions, result in degraded process performance leading to personal injury or death. Therefore, **fully comply** with all **Warning** and **Caution** notices.

Terminology

A complete and comprehensive list of terms is included in *System 800xA Terminology and Acronyms (3BSE089190*)*. The listing includes terms and definitions that apply to the System 800xA where the usage is different from commonly accepted industry standard definitions.

Table: Terminology

Term/Acronym	Description
CSM	Control System Monitoring
JSON	JavaScript Object Notation
MSMQ	Microsoft Message Queuing
RAP	Remote Access Platform
SIEM	Security Information and Event Management
MCS-DC	My Control System - Data Collector
VSE	Virtual Service Engineer
MCS-EC	My Control System - Event Collector
MCS-FW	My Control System - Forwarder

1 Enhancements and new features

This section describes a summary of the new features and enhancements implemented in current and all previous versions.

For detailed information refer to MSC-DC User Manual (2PAA120980- 200_P_EN_MCS - Data Collector_v3.0_User Manual).

1.1 Version 3.0

Release 3.0 is an update with integration of new features, major enhancements and quality improvements.

- The MCS-DC is now an installable application.
- A smooth update of MCS-DC is possible by retaining the configuration inputs and without un-deploying the agents.
- The MCS-DC configuration can be modified without having to un-deploy the agents.
- MCS-DC provides the collected time values in ISO8601 format (Zulu time).
- In contrast to before, MCS-DC collects all the GPO data (it formerly collected only what it needed for the security KPIs).
- Data collection support has been extended to Freelance version 2024.
- Data collection support has been extended to System 800xA 7.0 LTS. MCS-DC is part of the System 800xA 7.0 media, so it can also be installed via the 800xA system installer.

1.2 Version 2.10

Release 2.10 is an update with integration of new features, enhancements and quality improvements.

- Data collection from Japanese language systems is supported. However, My Control System is yet to be enhanced to process the analysis related to GPO KPIs. The user interface has been enhanced.
- The life cycle data collection has been enhanced to include P14 controllers that are connected to 800xA or S+ HMI systems.
- In a Harmony control network, MCS-DC can now collect lifecycle data from modules connected downstream of IMRIOxx modules.
- Microsoft Defender data collection is supported.
- Validation of secured communication parameters has been improved.
- As part of the data collection process, the Joconfig file used to generate the QCS life cycle report will be added to the system data file.
- Data collection support has been extended to QCS 800xA 6.2. Data collection support has been extended to SPE2.4 SP2.
- Data collection support extended to Freelance version 2013 SP1 RU06, 2016SP1RU07, 2019SP1RU02 and 2019SP1RU03.
- Data collection support has been extended to System 800xA 6.1.1.2

1.3 Version 2.9.1

Release 2.9.1 is an update to resolve a potential problem with AC 800M controller data collection.

1.4 Version 2.9

Release 2.9 is an update with integration of new features, enhancements and quality improvements

- It is now possible to identify and collect the Performance and Life cycle data from the S+ Historian server, client and scan manager nodes, when they are connected with S+ Operations, 800xA or Non-ABB systems.
- System data file merging functionality has been enhanced significantly, so that node level merging can also be done along with system level merging.
- S+ system scan functionality has been enhanced so that collection failure is minimized after successful scan.
- System 800xA scan functionality has been enhanced so that user can configure the time-out value for node reachability checks, performed during scan. PM 511 redundancy information is collected as part of AC 400 controller data collection.
- S100 bus redundancy information is collected as part of AC 400 controller data collection.
- Net and Node information for CS513 modules are collected as part of AC 400 controller data collection.
- Time out has been introduced for 800xA Base API calls, so that if there is any issue with 800xA Base APIs, the DC will not hang indefinitely.
- Now, instant data collection is possible when DC is launched in periodic collection mode and awaiting the scheduled collection time.
- Inventory data collection for S+ systems has been improved with additional data points, in line with System 800xA.
- UI logs are now part of system data file as well.
- Now periodic collection can be performed even if MCS-FW is not configured. In this case, the resultant output files (SDF) will be saved in the ‘Output’ folder under MCS-DC main folder.
- Data collection support for QCS version 6.1 SP4.
- Inventory data collection has been improved for AC 400 series controllers.
- System data files created by MCS-DC 2.9 will not be supported by SCX IBM tool.
- The MCS-DC 2.9 version is only compatible with MCS-OP 6.8 or later.

1.5 Version 2.8

Release 2.8 is an update with integration of new features, enhancements and quality improvements

- It is now possible to collect 800xA client nodes in parallel (up to 5 nodes at a time). However, the server nodes will be collected sequentially. Parallel data collection is supported only in advanced mode.
- Cyber security data collection support is extended for Freelance 2019 system.
- 800xA License data collection has been enhanced.

- Data collector has been enhanced to collect data from multiple QCS systems connected with System 800xA.
- Data collector has been enhanced to collect LCS data of BC810, TB840 and TB840A modules of AC 800M controller.
- Data collector has been enhanced to collect data from multiple ESXi server from a common ESXi collection agent node.
- Data collector has been enhanced to collect LCS data from AC 800PEC controllers.
- Data collector has been enhanced so that user can provide the IP address of the IEB bridge to collect data of Harmony DIN controllers from Infi net.
- Data collection support extended to Freelance version 2019 SP1FP1 RU03.
- Data collection support extended to QCS version 6.1 SP3 RU1.
- Data collection support extended to S+ Engineering 2.3 RU3.
- Data collection support extended to S+ Engineering 2.4 SP1.
- Data collection support extended to S+ Operation 3.3 SP1 RU4.

1.6 Version 2.7

Release 2.7 is an update with integration of new features, enhancements and quality improvements.

- Harmony: Diagnostic data collection from modules connected to SD controllers via HN800 is now supported. Precise identification of these modules is now possible.
- Harmony: Supported Harmony data collection through IEB/IPT bridge.
- Harmony: Supported data collection from the controller SPC810ev.
- S+ Operations: Additional data is collected to improve the quality of S+ Historian KPI's.
- S+ Operations: Supported S+ Operations 2.1.2 RU3 and 3.3.2 (Yoda2).
- S+ Operations: Collection approach for collecting the Windows security patches from S+ Operations system has been improved for more reliable data collection.
- 800xA: 800xA version 6.0.3.4 is supported.
- QCS: QCS version 6.1 SP3 is supported.
- ESXi: ESXi data collection from S+ Operations systems is supported.
- Freelance: Windows events collection from Freelance system is supported.
- Security data collection: Supported security data collection from additional computers on the 800xA client server network that are included in the collection through IP range input.
- A 'prerequisite' tool is created to determine whether the prerequisites for data collection are met on each computer node in the network. Currently, support is limited to Freelance system.
- It is now possible to make changes to the communication parameters between MCS-DC and MCS-FW without having to un-deploy the data collector agents.

– For compliance with ABB cyber security requirements, ESXi user credentials must only have read permissions, not higher permissions. If higher permission is present, the node scan will fail. This is implemented.

  Note that this restriction is applicable only for periodic data collection, but not for standalone data collection.

– Modified Common XML converter to comply with .NET Standard 2.0.

1.7 Version 2.6.1

Release 2.6.1 is an update to resolve a potential problem with S+ Operations HMI data collection. This release must be used only for S+ Operations HMI. For any other system still use version 2.6.

1.8 Version 2.6

Release 2.6 is an update with integration of new features, enhancements and quality improvements.

– ESXi server health data collection is supported for 800xA and Freelance systems. However, hardware status collection from ESXi is not supported in this version, so ESXi server hardware data upload to ServIS is not possible.

– Merging of system data files collected in separate instances, is supported. e.g.800xA with Harmony connect. Note that Melody controllers will not be listed in the system data file merging user interface.

– AC 800M crash files are collected and stored in the system data file.

– It is now possible to switch from basic to advanced mode when basic mode data collection is not possible.

1.9 Version 2.5

Release 2.5 is an update with integration of new features, enhancements and quality improvements.

– Security data collection from non-ABB systems is supported.

– Health data collection of VMware virtual server is supported.

– Data collection support extended to QCS 6.1 SP2.

– Data collection support extended to 800xA version 6.1.1.1.

– Data collection support extended to Advant 450 RMC controller.

– Reading device Label, Block Address and Function Code number are supported for Harmony module IOR810.

– Identification of instance address for Harmony modules TB840 and IOR810 is supported.

– New version of SharpZip library (1.3.3) is used in MCS-DC 2.5 to address security and operational vulnerabilities in SharpZip version 1.3.2.

– A validate button is added in UI to check the communication health between MCS-DC and MCS Forwarder Gateway. However, users are allowed to proceed with data collection even if the Forwarder Gateway communication check is failed.

– DNS Server self diagnostic data collection is supported in this build.

– SYSVOL replication status collection is supported.
– Quality of Advant controllers data collection is improved.

1.10 Version 2.4

Release 2.4 is an update with integration of new features, enhancements and quality improvements.

MCS-DC version 2.4 is extended to:

– S+ Operations: For all S+ Operations versions MCS-DC recognizes and supports strings in German language for Domain Controller KPI's.
– S+ Historian: Improved logic for identifying the S+ Historian nodes for data collection.
– Advant Master: Improved Advant Master Lifecycle data collection, resulting more accurate Lifecycle and Inventory reports.
– Freelance: Along with major version, installed versions of service packs and roll-up updates of HMI will also appear in the report. However, hotfix details will not appear.
– Freelance: Data collection support extended to Freelance roll-up updates 2016SP1RU05 and 2019SP1RU01.
– 800xA: Improved data collection method for the 800xA KPI 'Central license server'.
– 800xA: 'RNRP Event Logs' KPI calculation is improved in this version.
– 800xA in work group: Data collection support extended to System 800xA configured in Windows Workgroup network.
– Melody: Improved logic for identifying Cabinet, Rack, Slot number for melody modules. Non-Melody modules will no longer be considered.
– Harmony: Harmony data collection via ICT module as CIU (SCSI interface), is supported.
– Harmony: Online collection of life cycle data is supported for all modules in PN800 network.
– Periodic data collection: Improvements and bug fixes.
– Hash value verification of the downloaded build file is possible from this version of MCS-DC.

1.11 Version 2.3

Release 2.3 is an update with integration of new features, enhancements and several quality improvements.

MCS-DC version 2.3 is extended to:

– Product name changed from Service Product Data Collector (SPDC) to My Control System - Data Collector (MCS-DC).
– Periodic data collection: Scheduler functionality is implemented in MCS Data collector to collect performance and life cycle data from control system, in a periodic manner.
– KPIs of Dual role computers in 800xA with Freelance control system: Freelance KPIs will now be calculated for freelance connectivity and engineering nodes.
– Harmony system: Identification of modules which contain obsolete function codes (FC 66 and FC 179) is implemented.
– S+ Engineering: Data collection from Yoda 2 is supported.

– S+ Operations: Performance, Life cycle, Software and Security Data collection from SPO version 2.2 is supported.
– Optimization of data collection log file.
– Basic mode support for S+ Operations HMI alone (without any connect).

1.12 Version 2.2

Release 2.2 is an update with integration of new features, enhancements and several quality improvements.

MCS-DC version 2.2 is extended to:

– 800xA with Symphony DIN controllers: Support for performance and life cycle data collection.
– Harmony data collection: Support forS800 IOs and SD IOs for performance and lifecycle collection.
– InfiNet: Data point extension for Node Performance Statistics (For NPM, IET, CP, IPT, IIT etc.)
– Harmony Rack: User can add/edit module names for those modules which cannot be detected through module scan. However, NIS and IPT module redundancy detection is not supported.
– S+ Operation: More Historian data points are added which support additional KPIs.
– Freelance controller PM904F: Both performance and life cycle data collection is supported for freelance controller PM904F.

  Note that, data collection of PM904F is supported with Freelance 2019 or later versions.
– Support Freelance 2019 SP1 FP1 version.
– MCS-DC version 2.2 is targeting to read only below given antivirus software and ignores other installed anti-viruses.
  - McAfee VirusScan Enterprise
  - McAfee Endpoint Security Threat Prevention
  - McAfee Endpoint Security Platform
  - McAfee Agent
  - McAfee Application Control (Solidcore)
  - Symantec Endpoint Protection

1.13 Version 2.1

Release 2.1 is an update with integration of new features, enhancements and several quality improvements.

MCS-DC version 2.1 is extended to:

– Support for data collection of below data categories for controllers with 800xA HMI. Please note, Basic Mode is not supported for 800xA HMI with Harmony Rack controllers and 800xA HMI with Procontrol P13 controllers. Please note, 800xA HMI with Symphony DIN controllers is not supported in this release.
  - QCS controllers: Support for Life Cycle data collection
  - Support for SPENM01 Harmony Ethernet Module
  - Supports System 800xA 6.1.1
  - Supports new approach for 800xA HMI with Freelance data collection using .csv/.csvs file

– Support for data collection of below data categories for controllers with S+ Operations. Please note, Basic Mode is not supported for S+ Operations HMI with connects for this release.
  - Symphony Din: Support for Performance and Life Cycle data collection
  - Supports S+ Operations HMI 3.3.1

1.14 Version 2.0.2

Release 2.0.2 is an update with integration of new features, enhancements and several quality improvements.

MCS-DC version 2.0.2 is extended to:

– Support for data collection of below data categories for controllers with 800xA HMI. Please note, Basic Mode is not supported for 800xA HMI with Harmony Rack controllers and 800xA HMI with Procontrol P13 controllers.
  - Harmony Rack controllers: Support for Performance and Life Cycle data collection
  - Advant MOD 300: Support for Life Cycle data collection
  - Procontrol P13 controllers: Support for Life Cycle data collection

– Support for data collection of below data categories for controllers with S+ Operations. Please note, Basic Mode is not supported for S+ Operations HMI with connects for this release.
  - Support for SPENM01 Harmony Ethernet Module
  - Procontrol P13 controllers: Support for Life Cycle data collection

1.15 Version 2.0.1

Release 2.0.1 is an update with integration of new features and enhancements. MCS-DC version 2.0.1 is extended to:

– Support for data collection of below data categories for controllers with 800xA HMI.
  - AC 70, 110, 160: Support for Life Cycle data collection
  - Freelance: Support for Performance and Life Cycle data collection
  - AC 410, 450, MP, SG 400: Support for Performance and Life Cycle data collection
  - Melody Rack: Support for Performance and Life Cycle data collection

– Support for data collection of below data categories for S+ Operations HMI and controllers. Please note, Basic Mode is not supported for S+ Operations with connects for this release.

  S+ Operations HMI:
  - Support for Performance data collection
  - Support for Life cycle data collection

  Controllers:
  - Harmony Rack: Support for Performance and Life Cycle data collection
  - AC 800M: Support for Performance and Life Cycle data collection
  - Melody Rack: Support for Performance and Life Cycle data collection

1.16 Version 2.0.0

The Service Product Data Collector (MCS-DC) tool is used to collect Performance and Life cycle data from various control systems of ABB, such as System 800xA, Symphony and Freelance. Also, MCS-DC is used to collect Software and Cyber Security data from System 800xA.

The collected data is bundled and encrypted into a (.zip) file. This file needs to be uploaded to My Control System (MCS) for further analysis and report generation, such as Benchmark report, Fingerprint report, etc. Additionally, the life cycle information on this collection file can be uploaded to ServIS from MCS by the local ABB installed base manager using SCX Tool for Installed Base Management for the consolidation of installed base information on ServIS.

MCS-DC has two modes of operation

– Basic Mode

– Advanced Mode

1.16.1 Basic Mode

This mode is intended for users who prefer ease of use and minimal user interaction. In this mode, MCS-DC identifies the HMI and controller systems automatically. User will not have much of customizable options (like choosing only performance data or life cycle data, choosing only specific nodes for data collection, etc.).

1.16.2 Advanced Mode

This mode is intended for expert users who prefer complete control on data collection process with respect to selecting the systems, nodes, data category (like performance or life cycle), etc. In this mode, user will have an opportunity to fix the issues, reported by MCS-DC during node scanning and data collection, and then user will be able to re-scan or re-collect the failed nodes. Detailed logs and progress updates will be provided by MCS-DC during scanning and data collection.

This version of the MCS-DC supports below features for Basic mode and Advanced mode:

- Support Performance, Life cycle, Software and Security data collection for 800xA HMI
- Support Performance and Life cycle data collection for AC 800M controller
- Support Performance and Life cycle data collection for Freelance HMI
- Support Performance and Life cycle data collection for Freelance controller

2 Fixed Problems

This section lists the problems that have been fixed in this version since the previous release.

2.1 Fixed in Version 3.0

Table 2.1: Fixed Problems

Issue	Correction or Fix
MCS-DC is unable to collect data from multiple data stores when ESXi is configured with more than one data store. MCS-DC-210-137084	This issue is fixed.
In some instances, the following security KPIs report false positives. – Collection: Disable WDigest credential storage in memory. – Collection: Force UAC for remote admin share access. – Collection: Prevent Dropping NETBIOS Name. – Collection: Securing LDAP authentication over SSL/TLS. MCS-DC-210-136227	This issue is fixed.
Despite successful data collection, freelance KPIs are reported as uncertain when the hostnames of nodes differ by one or more extra characters. MCS-DC-210-134737	This issue is fixed.
When data is collected from multiple MB300 networks, collection status is not updated correctly on the UI. MCS-DC-210-134209	This issue is fixed.
In some instances, data collection fails for some Freelance nodes in the network. MCS-DC-210-127728 MCS-DC-210-134249	This issue is fixed.
Duplicate entries of Windows security updates found in Installed software list on MCS(web). MCS-DC-210-127755	This issue is fixed.

Table 2.1: Fixed Problems
(Continued)

Issue	Correction or Fix
In some instances, parent controller type is found to be missing in public_AI_Assets Superseeder table for Freelance controller collections. MCS-DC-210-134379	This issue is fixed.
Module lifecycle is determined differently from that described in ABB documentation for CI873A, CI867, CI868 and CI871. MCS-DC-30-128890	This issue is fixed.
MCS-DC scheduler fails when password contains the quote (") character. MCS-DC-210-130536	This issue is fixed. When the user clicks the validate button, if the password contains a quote, a message is displayed stating that quotes are not allowed in the password.
In some rare instances, periodic collection hangs before finishing. MCS-DC-210-128899	This issue is fixed.
ESXi IPs are not displayed in the Results tab after completing data collection with 800xA/SPO/Freelance, despite the collection Status showing as Success. MCS-DC-26-83482	This issue is fixed.
In some instances, Graphics Card RAM Size KPI may report as uncertain. MCS-DC-201-23607	This issue is fixed.

2.2 Fixed in Version 2.10

Table 2.2: Fixed Problems

Issue	Correction or Fix
In some instances, License Violation KPI shows wrong timestamp in the report. MCS-DC-291-125283	This issue is fixed.
In some instances, the 'AC800M' tab in 'Settings' disappears after MCS-DC is closed and reopened. MCS-DC-291-119911	This issue is fixed.
When there is no redundancy in the network, the client server network identification is incorrect. MCS-DC-291-124634	The issue is fixed.

Table 2.2: Fixed Problems
(Continued)

Issue	Correction or Fix
Data collection result tree of Freelance system is not updated correctly when there are multiple networks. MCS-DC-291-124210	The issue is fixed.
In the data collection progress window, the elapsed time format is incorrect. MCS-DC-291-124204	The issue is fixed.
Analysis of data collected from 32-bit operating systems fails. MCS-DC-210-123479	The issue is fixed.
In some instances, the time zone value collected from composer node is wrong. MCS-DC-29-119914	The issue is fixed.
User interface freezes after canceling periodic collection in some cases. MCS-DC-29-119733	The issue is fixed.
In come instances, the system data file fails to load in the MCS, due to a date time format issue. MCS-DC-29-106889	The issue is fixed.
In come instances, MCS-DC fails to collect AC450 controller data. MCS-DC-29-116257	The issue is fixed.
In come instances, group policy data collection fails for certain nodes in the network. MCS-DC-29-113294	The issue is fixed.
In come instances, system backup KPI is reporting wrong result. MCS-DC-29-113261	The issue is fixed.
In come instances, MCS-DC fails to collect data from S+ system nodes. MCS-DC-29-112797	The issue is fixed.
In come instances, DNS Server IP address data collected is incorrect. MCS-DC-29-112765	The issue is fixed.
In come instances, AC 800M controller firmware data collection fails. MCS-DC-29-112277	The issue is fixed.
In some instances, License Violation KPI may report uncertain due to a time for-mat issue. MCS-DC-29-116084	The issue is fixed.

Table 2.2: Fixed Problems
(Continued)

Issue	Correction or Fix
In come instances, AC 800M controller data collection fails in S+ with compact control builder system. MCS-DC-29-111357	The issue is fixed.
AC 800M controller data collection fails when there are duplicate Root objects in the control structure. MCS-DC-29-106712	The issue is fixed.
In some instances, The KPI 'maximum password age' reports false positive. MCS-DC-29-105989	The issue is fixed.
In some instances, LCS parser produces wrong hierarchy for Harmony controllers and IO modules. MCS-DC-29-105675	The issue is fixed.
In some instances, MCS-DC is not able to collect firewall profiles. MCS-DC-29-101054	The issue is fixed.
The firmware version of the CI871 module does not appear in reports. MCS-DC-29-98236	The issue is fixed.
In nodes running Windows XP, the prerequisite tool may show incorrect original status for 'File and Printer sharing' and 'WMI firewall exception' settings. MCS-DC-27-72533	The issue is fixed.
In come instances when Harmony performance data is collected without an HMI, data file creation may fail, even though the data has been collected. MCS-DC-27-77459	The issue is fixed.
In the case of 800xA in workgroup, while un-deploying the agents during periodic collection configuration, agent undeploy message may not appear on the UI. MCS-DC-24-54557	The issue is fixed.

2.3 Fixed in Version 2.9.1

Table 2.3: Fixed Problems

Issue	Correction or Fix
MCS-DC fails to generate fingerprint.xml file in the first attempt of AC 800M collection. MCS-DC-29-116257	This issue is fixed.
It is not possible to collect AC800 fingerprint data simultaneously from more than 64 controllers. MCS-DC-29-116071	The issue is fixed.
In some instances, periodic data collection fails for AC 800M controllers. MCS-DC-29-114112	The issue is fixed.

2.4 Fixed in Version 2.9

Table 2.4: Fixed Problems

Issue	Correction or Fix
In come instances, MCS-DC fails to collect data when used with certain versions of HAPI/CAPI (3.x and 4.x). MCS-DC-29-96286	This issue is fixed.
The backup module in an Advant CI522 redundant setup is not reflected in the reports. MCS-DC-29-95994	This issue is fixed.
In some cases the AC 800M controller heap usage in the fingerprint report may differ from the actual heap usage. MCS-DC-29-95922	This issue is fixed.
In come instances, the collection of AC 800M lifecycle data from a system with numerous control structure objects may time out. MCS-DC-29-97739	Under AC 800M collection settings, uncheck the option 'Collect redundant devices' and proceed with the collection.
In some instances, the same Advant controller appears twice in the report with contradictory information. MCS-DC-29-98446	This issue is fixed.
ESXi's data collection fails In come instances. MCS-DC-29-97823	Logging is improved now.
MCS-DC log files are consuming significant amount of hard disc space. MCS-DC-29-98022	This issue is fixed.

Table 2.4: Fixed Problems
(Continued)

Issue	Correction or Fix
Despite completing the data collection, the Advant RTA board is unavailable. MCS-DC-29-103192	This issue is fixed.
The controller collection status may not update correctly on the UI if only Freelance controller is selected for collection in a 800xA with Freelance system. MCS-DC-28-76056	This issue is fixed.
VPNI versions prior to 5.0 are not supported by MCS-DC. MCS-DC-28-82699	This issue is fixed.
In nodes running Windows XP, the prerequisite tool may show incorrect original status for 'File and Printer sharing' and 'WMI firewall exception' settings. MCS-DC-27-72533	This issue is fixed.
In come instances when Harmony performance data is collected without an HMI, data file creation may fail, even though the data has been collected. MCS-DC-27-77459	This issue is fixed.
In the case of 800xA in workgroup, while un-deploying the agents during periodic collection configuration, agent undeploy message may not appear on the UI. MCS-DC-24-54557	This issue is fixed.

2.5 Fixed in Version 2.8

Table 2.5: Fixed Problems

Issue	Correction or Fix
In some instances, 800xA HMI data collection may fail for certain nodes in the network. MCS-DC-27-77660	This issue is fixed
In nodes running Windows XP, the prerequisite tool may show incorrect original status for 'File and Printer sharing' and 'WMI firewall exception' settings. MCS-DC-27-72533	This issue is fixed

Table 2.5: Fixed Problems
(Continued)

Issue	Correction or Fix
ESXi Servers added for collection through a re-scan, may not appear in customize window. However, data will be collected for those servers without fail. MCS-DC-26-64950	This issue is fixed
In some instances, the 800xA KPI “Disk bad sectors” may appear uncertain in the report. MCS-DC-24-55085	This issue is fixed

2.6 Fixed in version 2.7

Table 2.6: Fixed Problems

Issue	Correction or Fix
It has been observed in extremely rare cases that the data collection has affected the normal functionality of S+ Operations HMI service in one of the servers due to one of the API components, which was invoked by the MCS-DC. MCS-DC-26-75328	This issue is fixed
In some instances, the 800xA KPI “Disk bad sectors” may appear uncertain in the report. MCS-DC-24-55085	This issue is fixed
After completing a collection session, a new collection may not be successful in the same session, if changes are made in HMI or controller family. MCS-DC-24-57517	This issue is fixed
In some instances, data collection from System 800xA with AC 800M, the control structure scan may fail to complete, resulting in a stall in data collection. MCS-DC-26-73432	This issue is fixed
In some instances, GPO data collection from S+ Operations system may fail if the domain controller is not reachable. MCS-DC-26-72845	This issue is fixed

Table 2.6: Fixed Problems
(Continued)

Issue	Correction or Fix
In some instances, if the S+ Operations data collection is not completed on a computer node, report generation may not work for the data that is collected successfully. MCS-DC-26-68583	This issue is fixed
In some instances, the status of the AC800MOPCAE service provider is incorrectly reported. MCS-DC-26-74410	This issue is fixed

2.7 Fixed in version 2.6

Table 2.7: Fixed Problems

Issue	Correction or Fix
In some instances, Advant Master RMC controllers are found to be missing in the collection. MCS-DC-25-63176	This issue is fixed
In some instances, Advant controllers that are not supported by MCS-DC2.5, are causing uncertain KPI results in performance report. MCS-DC-25-63326	This issue is fixed
In some instances, when the Advant controller load is higher than the preset value for safe collection set in MCS-DC, the controllers fail to appear in performance and life cycle reports. MCS-DC-25-62873	This issue is fixed
In some instances, AC 800M fingerprint files are found to be missing in the collection. MCS-DC-25-64078	This issue is fixed
In some instances, some KPIs may report uncertain due to unexpected date and time format in the collection nodes. MCS-DC-24-55211	This issue is fixed
In some instances, Prerequisites tab may take long time to load during periodic collection configuration. MCS-DC-24-54036	This issue is fixed
In some instances periodic collection configuration, the node scan status may not be retained if the tool is closed and re-opened. MCS-DC-24-53479	This issue is fixed

Table 2.7: Fixed Problems
(Continued)

Issue	Correction or Fix
In some instances, it is observed that Windows error events with Event ID 33: “Side by side error”, appear in the Windows event viewer; while launching and closing the MCS-DC. MCS-DC-24-54114	This issue is fixed
Characters like ä/ö/ü in controller names are shown incorrectly in the German report. MCS-DC-201-15874	This issue is fixed
In some instances, when secured communication is enabled in MCS-DC and if any of the remote node do not have a valid certificate for secured communication, collection status for that node is incorrectly shown as success in the MCS-DC tool, even if no data collection is done for those nodes. MCS-DC-202-27432	This issue is fixed

2.8 Fixed in version 2.5

Table 2.8: Fixed Problems

Issue	Correction or Fix
In periodic collection, if re-scan is performed, the data collection may start without validating user credentials. MCS-DC-24-55150	This issue is fixed
In workgroup systems, if undeploy has to perform as part of periodic collection configuration, users must exit MCS-DC after undeploy, and start again. MCS-DC-24-55206	This issue is fixed
In some instances, MCS-DC may become unresponsive while collecting AC 800M controller data. MCS-DC-202-35867	This issue is fixed
In some instances**ue**button on system selection page (Advanced mode), takes some time to display input screen. MCS-DC-202-25659	This issue is fixed
In some instances, the slot number for CI modules of Freelance controllers may appear incorrectly in the inventory report. MCS-DC-24-54746	This issue is fixed

Table 2.8: Fixed Problems
(Continued)

Issue	Correction or Fix
In some instances, AC 800M fingerprint data collection may fail. MCS-DC-22-57646	This issue is fixed
In some instances, GPO data may fail to collect. MCS-DC-24-56712	This issue is fixed
In some instances, the KPI "Aspect Server Database Structure" may falsely report multiple errors. MCS-DC-24-57567	This issue is fixed
In some instances, the KPI "Group Policy Applied" in Security - Policy section may report uncertain. MCS-DC-24-58758	This issue is fixed

2.9 Fixed in version 2.4

Table 2.9: Fixed Problems

Issue	Correction or Fix
In certain instances, if the scheduler parameters need to reconfigure, the system will prompt to enter the user credentials again. MCS-DC-23-49492	This issue is fixed
In certain instances, certain 800xA KPIs may report uncertain in data collected through periodic collection. MCS-DC-23-48460	This issue is fixed
In certain instances, Melody Engineering Server fails to list in the scan page as well as In the data file, when Melody controller Performance and LCS alone are selected for data collection, under 800xA HMI. MCS-DC-23-42962	This issue is fixed
In some instances, RNRP old network failure events which are not active, may appear in the performance report. MCS-DC-21-42543	This issue is fixed
In some instances, RNRP old network failure events which are not active, may appear in the performance report. MCS-DC-21-42543	This issue is fixed

Table 2.9: Fixed Problems
(Continued)

Issue	Correction or Fix
In some instances, Melody Project Backup KPI reports uncertain. MCS-DC-23-51609	This issue is fixed
In S+ Operations with AC 800M system, if controller data alone is collected (without selecting HMI), collection may fail. MCS-DC-23-48135	This issue is fixed
In certain legacy systems with Windows XP SP2 operating system, periodic data collection may fail for remote nodes. MCS-DC-23-46783	This issue is fixed
In certain instances of S+ Operations with AC 800M data collection, if Get AC 800M Project button and project browse button are clicked without any delay between them, MCS-DC may hang. MCS-DC-23-49153	This issue is fixed
In certain instances of periodic data collection, security data collection may not be possible in advanced mode. MCS-DC-23-48442	This issue is fixed
In certain instances of 800xA with Freelance data collection, Connectivity server may appear two times in the report in computer overview table. MCS-DC-23-47102	This issue is fixed
Lifecycle data collection is not supported for MP200 controller and IOs. MCS-DC-21-42544	This issue is fixed
In certain instances, exit periodic collection may not stop all services and do the cleanup of temporary files and folders. MCS-DC-23-52113	This issue is fixed
In some instances Windows security may block MCS-DC launcher. In such case, launcher will fail to launch. MCS-DC-21-35256	This issue is fixed

2.10 Fixed in version 2.3

Table 2.10: Fixed Problems

Issue	Correction or Fix
In some instances, on a 800xA with Freelance system, collection of Freelance engineering PC may fail if it is not part of 800xA domain. SPDC-21-44600	This issue is fixed
In 800xA with Freelance system, SPDC will not evaluate Freelance KPIs for Freelance connectivity server, rather only 800xA KPIs are evaluated. SPDC-21-38662	This issue is fixed
If there is any white listing software on computers, which blocks SPDC processes from being launched, then scan/collection will fail. SPDC-21-43511	This issue is fixed
In some instances, Computer Network Utilization KPI may be reported as uncertain. SPDC-21-44060	This issue is fixed
In some instances, RSOP data can not be collected on a computer, if a domain user is not logged in to that node, at least once, interactively. SPDC-21-43777	This issue is fixed
SPDC fails to identify Melody -P modules. SPDC-21-36020	This issue is fixed
For certain old generation Melody controllers, KPI interpretation is wrong regarding firmware. SPDC-21-36035	This issue is fixed
If computer nodes spread across different network area, SPDC can collect from only one network area in which the launch node belongs to. If launch node belongs to multiple areas then the area containing maximum 800xA nodes will be decided as the client server network for data collection. SPDC-21-34628	This issue is fixed
In some instances, when a redundant controller is configured in Control Builder M, but only single controller exists physically, Redundant Processor-Unit Matching KPI of System 800xA is wrongly reported as uncertain instead of reporting as error. SPDC-21-34194	This issue is fixed

Table 2.10: Fixed Problems
(Continued)

Issue	Correction or Fix
In some instances, when user clicks on cancel button in SPDC tool, cancel operation takes more time. SPDC-202-25649	This issue is fixed
In some instances, I/O Module obsolescence KPI of 800xA with Melody system is reported as uncertain. SPDC-201-36520	This issue is fixed
Progress of GPO data collection for 800xA HMI is not shown on the left pane on the collection screen. SPDC-21-43839	This issue is fixed

2.11 Fixed in version 2.2

Table 2.11: Fixed Problems

Issue	Correction or Fix
MCS-DC fails to collect preferred and alternate DNS data for nodes which are not part of Domain. MCS-DC-202-37558	This issue is fixed
In certain instances, MCS-DC wrongly identify the system as System 800xA with AC 800M controllers whereas no AC 800M controllers are present in the network. MCS-DC-21-41978	This issue is fixed
MCS-DC collects data only from the first identified network in a multiple MB300 network. MCS-DC-21-36638	This issue is fixed
In some instances, “Start New Collection” functionality may not work as intended. MCS-DC-21-42465	This issue is fixed
In some instances, lifecycle data collection fails in Advant Master system with multiple MB300 network. MCS-DC-21-39517	This issue is fixed
Help index in MCS-DC is not available. MCS-DC-21-39940	This issue is fixed
Password Visibility feature is missing. MCS-DC-21-39937	This issue is fixed
Uncollected data tab and retry uncollected data functionality shall be removed. MCS-DC-21-41016	This issue is fixed

Table 2.11: Fixed Problems
(Continued)

Issue	Correction or Fix
In some instances, MCS-DC tool is taking long time to scan in freelance system. MCS-DC-21-42453	This issue is fixed
In some instances, if the screen resolution is not set as per recommendation, it may not be possible to click the Exit button after the scan is finished. MCS-DC-21-42363	This issue is fixed
If data is collected from a Freelance network having duplicate controller names with different IP addresses, those duplicate controllers will not appear in the report. MCS-DC-21-44478	This issue is fixed
MCS-DC reports incorrect lifecycle data for the module CI854B. MCS-DC-202-32251	This issue is fixed
AC 800M controller data collection fails in a network in which AC800 PEC controllers are also present. MCS-DC-21-40083	This issue is fixed. However, AC800 PEC controller data collection is not supported.
In some instances, MCS-DC fails to collect launch node data. MCS-DC-202-30401	This issue is fixed
MCS-DC fails to detect freelance controller PM904F. MCS-DC-21-39119	This issue is fixed
Log files produced by various collectors during the scan/Collection process are not consolidated under single Log folder. MCS-DC-202-26405	This issue is fixed
SNMP switches were wrongly identified as computers which results in data collection failure. MCS-DC-202-23316	This issue is fixed
If AC 800M and/or Melody Rack and/or AC400 controller performance data is collected without HMI, report cannot be generated. MCS-DC-21-38960	This issue is fixed
In some instances, for Advant Master when a IO module is available in the Advant Master database but not physically available, still the module is listed in the Life Cycle report. MCS-DC-21-34434	This issue is fixed

Table 2.11: Fixed Problems
(Continued)

Issue	Correction or Fix
If a Freelance controller is configured in engineering, yet it's either physically not present or not reachable, PM module and other modules in the same level are not collected by MCS- DC. MCS-DC-21-36070	This issue is fixed
If Freelance controllers are removed from collection using customization, they will still be collected as part of LCS data collection. However, they will not be part of performance data. MCS-DC-21-36068	This issue is fixed
MCS-DC fails to collect correct count of displays connected to computers. MCS-DC-21-42547	This issue is fixed
MCS-DC-202-41626 CI854 module count in the lifecycle report is incorrect. MCS-DC-202-41626	This issue is fixed
In some instances, Anti-malware update status KPI of System 800xA shows uncertain in the report. MCS-DC-201-23659	This issue is fixed
In some instances, Anti-malware data collection fails. MCS-DC-21-20790	This issue is fixed
In some instances, Self Diagnostic KPI of 800xA is reported as uncertain. MCS-DC-21-16242	This issue is fixed
In some instances of failed nodes not available. MCS-DC-202-25654	This issue is fixed
In some instances, some properties in the Hardware tree are wrong. MCS-DC-202-25662	This issue is fixed
In some instances, when the client server network is not configured with lowest network area, collection for some nodes may fail. MCS-DC-21-33819	This issue is fixed
Sometimes an empty row without name and IP gets added into the scan table. MCS-DC-202-25661	This issue is fixed
While collecting only Harmony Performance data HMI Prerequisites tab is appearing. MCS-DC-21-35804	This issue is fixed

Table 2.11: Fixed Problems
(Continued)

Issue	Correction or Fix
In some instances, I/O Module Firmware information KPI of 800xA with Melody system is reported as uncertain. MCS-DC-201-24601	This issue is fixed
In some instances, I/O Module LED status KPI of 800xA with Melody system is reported as uncertain. MCS-DC-201-22732	This issue is fixed
In some instances, Utilization of disk with 800xA temp folder KPI of System 800xA shows uncertain in the report. MCS-DC-201-23654	This issue is fixed
In some instances, Physical RAM utilization and Virtual RAM utilization KPI of System 800xA shows uncertain in the report. MCS-DC-201-23657	This issue is fixed
In some instances, the data collection progress shown in the progress bar may defer from the actual data collection progress. MCS-DC-201-17839	This issue is fixed
For some systems, MCS-DC is not able to collect some data points, this may cause the related KPI's to show as uncertain in the report. MCS-DC-201-23559	This issue is fixed
In some instances KPI of System 800xA is reported as uncertain. MCS-DC-202-27250	This issue is fixed
In some instances, Disk Bad Sectors KPI of System 800xA is reported as uncertain. MCS-DC-202-22913	This issue is fixed
In some instances, Disk related KPIs are reported as uncertain. MCS-DC-202-16996	This issue is fixed
In some instances, for HMI data collection some installed software are not collected by MCS-DC Tool. MCS-DC-200-20566	This issue is fixed
MCS-DC wrongly allows user to select more than one HMI family. MCS-DC-21-40116	This issue is fixed

Table 2.11: Fixed Problems
(Continued)

Issue	Correction or Fix
Duplicate controllers found in collection from system with multiple MB300 network. MCS-DC-21-39521	This issue is fixed
In some instances, report generation from MCS may fail due to some special characters in the collected data. MCS-DC-21-37607	This issue is fixed

2.12 Fixed in version 2.1

Table 2.12: Fixed Problems

Issue	Correction or Fix
When MCS-DC is launched on a Freelance computer with both engineering and operator node roles (both CBF and digiviz installed), data collection fails for the local node. MCS-DC-202-35809	This issue is fixed
In rare cases, MCS-DC failed to generate common XML file due to high memory consumption, especially in very large network. MCS-DC-202-31818	This issue is fixed
In some instances, firmware information KPI of CCO30 Melody rack module is reported as uncertain even if the firmware information data is properly collected. MCS-DC-202-17663	This issue is fixed.
In some instances, wrong KPI status is shown for number of tags in multi-system integration. MCS-DC-202-32834	This issue is fixed.
When Advant Master AC450 controller load is slightly below 80%, and if the load increases above 80% during the data collection process, then the data collection may not complete for that controller. MCS-DC-201-17976	This issue is fixed
In some instances, performance report Controller Type does not reflect the actual type for some AC 800M controller modules. MCS-DC-202-28948	This issue is fixed

Table 2.12: Fixed Problems
(Continued)

Issue	Correction or Fix
In rare cases, Life-cycle Benchmark Report does not show AC 800M controller modules. MCS-DC-202-32718	This issue is fixed
Inventory report to show the network adapter information. MCS-DC-202-23519	This issue is fixed
Some data points (collection job) are skipped due to data type mismatch which resulted in uncertain KPIs. MCS-DC-202-29905	This issue is fixed
SPO bin path is calculated relative to SPO installation path, instead of absolute path. MCS-DC-202-33533	This issue is fixed
In some instances, MCS-DC collection file wrongly includes the SPCD software package in it, which increases the collection file size to more than 100 MB and hence the uploaded to MCS fails. MCS-DC-202-28942	This issue is fixed
In some place's AC 800M is wrongly shown as AC 800M. Controller family should consistently show the correct family name AC 800M. MCS-DC-202-28945	This issue is fixed
Wrong conversion of system date time format by MCS-DC results KPIs in Error/Warning. MCS-DC-202-28283	This issue is fixed
In some instances, FSMO role holder contact check and Inter-site replication check S+ Operations KPIs are reported as uncertain. MCS-DC-202-27837	This issue is fixed

2.13 Fixed in version 2.0.2

Table 2.13: Fixed Problems

Issue	Correction or Fix
For Non-800xa nodes, if they were part of the 800xA node administration structure, 800xA performance KPIs were executed for them. This resulted in multiple uncertain KPI's. MCS-DC-201-24877	This issue is Fixed
In some instances, when Hardware Scan is performed in SCX IBM tool for Melody controllers, same Melody controller is created three times and all controllers are changed from PM875 to PM875-2 MCS-DC-1920-21144	This issue is Fixed
In 800xA with Freelance system, system version of Freelance 2019 is reported incorrectly. MCS-DC-201-22848	This issue is Fixed
MCS-DC wrongly detects USB disk drives as a partition of internal hard disk drive instead of detecting it as a separate hard disk drive. MCS-DC-201-23154	This issue is Fixed
In some instances, CPU Load is incorrectly reported with value's above 100%. MCS-DC-201-24438	This issue is Fixed
In some instances 800xA with Melody system, count of CMC 50 Module is incorrectly reported. MCS-DC-201-24564	This issue is Fixed
In 800xA with Freelance system, if Freelance HMI computers co-exist with 800xA computers and if they are part of 800xA node administration structure, MCS-DC will collect them as part of System 800xA and 800xA performance KPI’s will be applied to them. MCS-DC-201-24010	This issue is Fixed
In some instances Freelance system, Freelance data collection failed due to issues in PLE file parsing. MCS-DC-201-23967	This issue is Fixed
Bin folder KPI uncertain/data not collected from some systems (for both Historian and SPO machine). MCS-DC-201-20214	This issue is Fixed
Harmony LCS parser to support data collection irrespective SPE is licensed for SETCOLE (Automation Sentinel). MCS-DC-201-25743	This issue is Fixed

Table 2.13: Fixed Problems
(Continued)

Issue	Correction or Fix
Playback alignment KPI of S+ Operations system is reported uncertain. MCS-DC-201-25013	This issue is Fixed
Device count is reported incorrect for Harmony Rack. MCS-DC-201-20611	This issue is Fixed
Dip switch setting KPI of S+ Operations system showing wrong module name for Communication module type. MCS-DC-201-23926	This issue is Fixed
Duplicate Node Type column in Harmony Performance report. MCS-DC-201-20572	This issue is Fixed
S+ Operations system, Same Hard disk shown twice in Performance report for Melody Engineering node. MCS-DC-201-23977	This issue is Fixed
S+ Operations system, Error discards check KPI data table shows negative value. MCS-DC-19211-24332	This issue is Fixed
In some instances, Time Synchronization Quality KPI of System 800xA version 6.1.0 is reported as uncertain. MCS-DC-19211-18895	This issue is Fixed
In 800xA with Melody system, when the MCS-DC tool is launched in Melody Engineering server node and only Melody Rack controller selected for MCS-DC collection, Melody Engineering server scan fails MCS-DC-201-22853	This issue is Fixed

2.14 Fixed in version 2.0.1

Table 2.14: Fixed Problems

Issue	Correction or Fix
In some instances, Aspect Server Database Structure & Aspect Server Replication KPI's of System 800xA version 5.1.0-4 RU1 is shown uncertain in the reports MCS-DC-1921-17920	This issue is Fixed
In some instances, Processes Virtual RAM and Handle Count KPI's of Freelance system v2016 are Uncertain MCS-DC-1922-16998	This issue is Fixed

Table 2.14: Fixed Problems
(Continued)

Issue	Correction or Fix
In some instances, Licensed tag expiration KPI of System 800xA version 5.1.0-4 RU1 is shown uncertain in the report MCS-DC-19211-16922	This issue is Fixed
In some instances, Licensed tag utilization KPI of System 800xA version 5.1.0-4 RU1 is shown uncertain in the report MCS-DC-19211-16921	This issue is Fixed
In some instances, NetBIOS for Control Network KPI of System 800xA version 5.1.0-4 RU1 is shown uncertain in the report. MCS-DC-19211-17520	This issue is Fixed
In some instances, Disk Fragmentation, and Disk File System Integrity KPI's of System 800xA version 5.1.0-4 RU1 is shown uncertain in the report MCS-DC- 19211-16996	This issue is Fixed However, In some instances this issue may occur, in such cases please refer the workaround mentioned in Issue 3 of section 5, in MCS-DC 2.x user manual
In some instances, Clock Synchronization KPI of System 800xA version 6.1.0-0 is shown uncertain in the report MCS-DC-1922-18066	This issue is Fixed
In some instances, MCS-DC tool hangs when collecting fixed hard disk information MCS-DC-1921-21179	This issue is Fixed
In rare cases, during the collection of Computer Throughput Performance KPI, interruption of network is caused MCS-DC-201-21274	This issue is Fixed

3 Known Problems

This section describes the known problems that exist in the system at the time of release. It also enumerates known problems encountered in the final testing of this product release and identifies workarounds that help to overcome the problem.

Table 3.1, Known Problems lists the issues that may exist and affect operation of the system or product at time of release. Workarounds, clarifications, or helpful hints have been provided for each issue wherever possible.

Table 3.1: Known Problems

Issue	Workarounds, Clarifications, and Helpful Hints
When data collection is cancelled in basic mode, the collection progress bar does not update correctly. MCS-DC-30-136219	This issue will be fixed in a future release.
With 800XA HMI with Freelance or Melody Controller Collection, deselecting controllers fail to remove associated engineering nodes from the scan list. MCS-DC-30-133913	This issue will be fixed in a future release.
Lifecycle status of the Melody module CAO10-2-PEX is being reported incorrectly. MCS-DC-30-131709	This issue will be fixed in a future release.
In certain rare instances, the user interface may appear blank while doing customization in periodic mode. MCS-DC-30-137125	Workaround: Close and reopen the UI. This issue will be fixed in a future release.
After agent deployment, it is possible to make changes in system selection, which is incorrect. MCS-DC-30-135435	This issue will be fixed in a future release.
Windows application error event with source 'SideBySide' appears when MCS-DC is started in System 800xA 7.0. MCS-DC-30-137628	Ignore this event as this has no impact in the functionality of the tool. This issue will be fixed in a future version.
Checking the communication status between MCS-DC and MCS-FW immediately after changing the certificates or TLS versions may show incorrect status. MCS-DC-30-137198	This issue will be fixed in a future version.

Table 3.1: Known Problems
(Continued)

Issue	Workarounds, Clarifications, and Helpful Hints
If Windows Defender is not configured on a computer, the antimalware KPI may be reported as uncertain. Additionally, in some rare instances, when another antimalware is configured in addition to Windows Defender (e.g. Trellix), the second antimalware is reported as uncertain. MCS-DC-30-136271	This issue will be fixed in a future version.
If a new collection is opted by clicking Start New Collection button after completing a collection, duplicate entries of Splus computer nodes are found under system overview in the performance report. MCS-DC-30-139523	This issue will be fixed in a future release. Workaround: Do not use Start New Collection button for Splus system data collection. After completing a collection, close and reopen the tool for a new collection.
MCS-DC fails to collect AC800M controller data if there are more than one Root objects in the control structure. MCS-DC-210-138701	This issue will be fixed in a future version.
Though the data collection works for GPO KPIs in Japanese language system, MCS is yet to be enhanced to analyze the KPIs. MCS-DC-210-001	This issue will be fixed in a future release.
The collection of Windows security patches may not occur in some cases on Windows server 2022 computers. MCS-DC-29-101030	This issue will be fixed in a future release.
If a new collection is opted by clicking Start New Collection button after completing a collection, duplicate entries of AC450 controllers are found in the collection file. The issue, however, does not impact any reports (inventory, lifecycle, etc.). MCS-DC-28-79482	This issue will be fixed in a future release. Workaround: After completing a collection, close and reopen the tool for a new collection.
In some instances when periodic data collection is performed, UI log message regarding completion of data collection may not appear, even though the data collection is successful. MCS-DC-28-87885	This issue will be fixed in a future release.

Table 3.1: Known Problems
(Continued)

Issue	Workarounds, Clarifications, and Helpful Hints
Temporarily, the following S+ Operations KPIs will not be calculated. 1. License Information 2. Licensed tags utilization 3. Queues occupation 4. High priority DIP queue 5. Playback alignment MCS-DC-27-001	This issue will be fixed in a future release.
Freelance security data cannot be collected from legacy Windows operating systems. MCS-DC-27-001	Currently, there is no fix available.
In System 800xA with AC 800M, If any Control Structure object's name contains special characters '>' or '<' then AC 800M controller data will not be collected. MCS-DC-26-64799	Currently, there is no fix available.
In some instances, if the data collection is canceled by clicking Cancel button, the agent deployment status and collection status on the UI may not be updated properly. MCS-DC-23-84571	This issue will be fixed in a future release.
Prerequisite screen describes only the prerequisites of HMI systems, but not controller systems. MCS-DC-21-004	This issue will be fixed in a future release.
In some instances, CPU Load KPIs are reported as uncertain. MCS-DC-201-23653	This issue will be fixed in a future release.

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