



Technical Release Notes

Version 5.11.21

Release Notes



Document: Force-5-11-21-Technical-Release-Notes.docx



Release date: 2021-11-08



Document version: 1




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1 General

 Technical update for Release 5.11.21

1.1 Update of Apache Tomcat 9 to version 9.0.54

All deployed tomcat servers were updated via Finster Base to version 9.0.54 for latest security compliance.

1.2 SAP IDOC leading blank removal for all components

For SAP Download leading blank spaces for some IDOC fields regarding system and user status were removed.

Affected fields:

- Segment: /FFMES/SAUFTR
Fields: STATU, STATU_ID, STATU_LA, ASTTX, ASTTX_ID, ASTTX_LA

- Segment: /FFMES/SAFOLG
Field: STATU, STATU_ID, STATU_LA, ASTTX, ASTTX_ID, ASTTX_LA

2 Platform & Connectivity

2.1 Unified logging for MDC and DNC services

Previously, MDC and DNC services created log files differently and also in a different format.

The log outputs have now been standardized for each MDC and DNC service so that end users can find them more easily and interpret the log files easier.

2.2 Technical information

Configuring a base log folder

To configure a log directory, the system environment variable FORCAM_LOGS has to be set. For example: set FORCAM_LOGS=D:\ForcamForce\logs

Logging for Java applications

This remains unchanged.

Logging for DotNet Applications (written in C#)

- The configuration of the logging is done in the file *log4net.config*.
- Log file history is set to 30 days.
- Log file rotation is done by renaming the old file with a time stamp in the name.
- The environment variable FORCAM_LOGS is used in *log4net.config*.

Logging for C++ Applications

- There is no configuration file for logging.
- The environment variable FORCAM_LOGS is used for detecting the base log folder.
- Log file history is set to 30 days.
- Log file rotation is done by renaming the old file with a time stamp in the name.
- If 7-Zip is installed (*C:\Program Files\7-Zip*), then this file is also zipped.
- Use environment variable SPDLOG_LEVEL to change the log level.
 - o Example: SPDLOG_LEVEL=trace

Log file folder structure

Windows file folder Services

Every service has its own log folder directly under the base folder.

For example:

- RockwellPluginApp.exe
- ForcamMazakServer.exe
- ForceDncService.exe
- ComPortServer.exe

Javis DCU plugins

There is a separate folder for each DCU and plug-in type.

Example: Log files from DCU_2 and from the OPCUA plugin will be written to folder *FORCAM_LOGS/DCU_2/OPCUA*.

Extended example:

- app
 - JAVA logs
 - current
 - appLogName.log
 - appLogName.0.log
 - 2021-10-28
 - appLogName.1.log.zip
 - EXE logs <- defined through environment variable FORCE_LOGS (example: FORCAM_LOGS=D:\ForcamForce\logs)
 - RockwellPluginApp
 - RockwellPluginApp.log
 - RockwellPluginApp_2021-10-28.log
 - RockwellPluginApp_2021-10-27.log
 - ForceDncService
 - ForceDncService.log
 - DCU (name of the DCU folder below app\javis)
 - Heidenhain
 - HdhWrapper_2021-10-29.log
 - HdhClient_TNC640_2021-10-29.log
 - OPCDA
 - OpcDaWrapper_2021-10-29.log
 - OpcDaWrapper_Trace_currentA.log
 - OpcDaWrapper_Trace_currentB.log
 - OpcDaWrapper_2021-10-28.log.zip
 - OPCUA
 - OPCUAWrapper_2021-10-29.log
 - OPCUAWrapper_2021-10-28.log.zip
 - DCU_2 (logs of second DCU, name of the DCU folder below app\javis)
 - Fanuc
 - FanucWrapper_2021-10-29.log

3 Document History

Version	Date	Name	Description	Status
1	2021-11-08	STernes	created for release 5.11.21	initial