TMPropagator

Release 3.4

Release Note

22nd December, 2022

	EUMETSAT TMPropagator	Doc. No.: HA.EPS.ORSF.RN.039 Issue: 1.0 Date: 22nd December, 2022

Document Signature Table

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1 SCOPE

The document is the release note accompanying release 3.4 of the TMPropagator. This is a major release which fixes a number of JIRA issues.

2 ISSUES FIXED BY THIS RELEASE

The following JIRA issues are considered fixed by this release;

TMPROP-190   [MuMi/AR/4292] TM Propagator v3 log viewer not starting up

TMPROP-260   TMProp v3.3.0 Verification: TC History Source simulator update interval is always 5 seconds

TMPROP-266   [JasonCS/AR/2066] Deleted OPS commands not flagged as "Deleted" in TC History display of TMPropagator client

TMPROP-288   Minimum OS update

TMPROP-296   TM Prop does not support "UNEXPECTED" OOL state

TMPROP-328   Minor improvements to time reference stream selection

TMPROP-361   [JasonCS/AR/2413] TMProp: new TMProp view cannot plot past values

TMPROP-364   TM Propagator 3.4.0 - NCR Fixes

TMPROP-366   Password policies

TMPROP-377   [MuMi/AR/5476] TMProp: cannot log in beyond info level

TMPROP-380   [MuMi/AR/5460] TMProp: user creation fails to set up roles

TMPROP-382   [MTG/AR/5569] TMProp MTG: random connection failures to MDA and TTC

TMPROP-389   [EPS/AR/20079] TM Propagator showing incorrect values

TMPROP-394   [MTG/AR/5972] [MTG-I1 RO Rehearsal] OOP dates not shown

TMPROP-413   Stream must be stopped to enable xml dump

3 ISSUES STILL OPEN AFTER THIS RELEASE

TMPROP-248   TCH display: cannot sort or navigate by execution time

TMPROP-289   Mission Selection on start up

TMPROP-335   TM Propagator server v 3.3.0.2 died on MTG OPE

TMPROP-359   [MuMi/AR/5355] TMProp: EPS incorrect missing parameters

TMPROP-381   [MuMi/AR/5463] Display Editor filter by 'short description' is missing

TMPROP-388   [MTG/AR/5805] TMProp MTG: server gets no data

TMPROP-404   [JasonCS/AR/2544] TMProp: S6 high memory usage on MMEOPETMTS52

4   IMPROVEMENTS AND NEW FEATURES UNRELATED TO NON-CONFORMANCES

4.1   New Features Implemented as a Result of CN12

None

4.2   Other New Features

- It is now possible to change the logging level of both Gateway and Server while they are running. This is done by editing the dynamic configuration settings in the GUI. This could be useful to produce debug level logging for troubleshooting without having to restart the processes. Debug level logging produces large log files, so should normally be switched off. For this reason, the current setting displays a red background when debugging level is selected.

5   INSTALLATION INSTRUCTIONS

Please see the document *Configuration Manual for Gateway, Server and Dev Machine* for full installation instructions

The logging level specified in the logging.config.xml file in the config directory of both Gateway and Server is no longer used. The log level is now set via the GUI and the setting is stored in the normal gateway and server config files. Nonetheless, the logging.config.xml files are still required for other logging settings.

This release has been compiled for the .Net Framework 4.8, and may require this to be installed on the target machines. However, most recent versions of Windows already have this pre-installed.

6   COMPATIBILITY TO PREVIOUS VERSIONS

Compatible to server and gateway release 3.3.4.

No breaking changes to client/server interface.

7   SYSTEM REQUIREMENTS

7.1.1   Operating System

The TMPropagator Gateway and Server require Windows Server 2019 or higher as the operating system.

For the clients, Windows 10 or higher is required.

7.1.2   .NET Framework 4.8

All machines where any module of the TMPropagator software is installed requires the .NET Framework 4.8 (or higher) as a prerequisite.

Download and install the latest Microsoft .NET Framework version (4.8 at time of writing) for the machines operating system from the Microsoft web site. It is not necessary, or desirable, to uninstall the previous .Net versions first. This step might not be necessary if .NET 4.8 or higher is already installed. This can be verified by following the procedure given here;

https://docs.microsoft.com/en-us/dotnet/framework/migration-guide/how-to-determine-which-versions-are-installed

7.1.3 Hardware

A minimum of 8 GB memory is recommended for the Gateway and Server machines. This should be increased if many projects are to share the same hardware.

The disk usage depends almost entirely on the telemetry data rate and the desired length of archive. It is suggested to compare the anticipated data rates and archive duration of new projects to older projects when estimating disk space requirements.

The new stream types have also been found to generate considerable quantities of data which increases the size of the archive.

For the clients, any modern PC hardware should be sufficient. A minimum 4 GB memory is recommended.