To Our Valued Customers

HULFT8 for Windows/UNIX/Linux/zLinux
About the Errors that Occur in the File Trigger Function

We would like to report that the following bugs have been found in the HULFT8 for Windows/UNIX/Linux/zLinux Ver.8.4.0. Please make sure to check the following description and resolve the bugs.

- Note -

1. Occurrence Condition

[Phenomenon 1]

If there are 9 or more trigger IDs that are registered in File Trigger Information, the following may occur toward trigger IDs that are or after 9th in a list sorted in ascending order.

・Even if "N (Disabled)" is specified in "Monitor Creation (CREATE)", the monitor may falsely detect as if a monitoring target file is created and executes a specified job.

・Even if "N (Disabled)" is specified in "Monitor Deletion (DELETE)", the monitor may falsely detect as if a monitoring target file is deleted and executes a specified job.

・Even if "N (Disabled)" is specified in "Monitor Modification (MODIFY)", the monitor may falsely detect as if a monitoring target file is modified and executes a specified job.

[Phenomenon 2]

Regarding the Management Information Parameter File Generation command (utligen), if File Trigger Information outputs 9 or more trigger IDs, the following items of the File Trigger Information that is or after 9th in a list sorted in an output order may output as if it is specified as "Y (Yes)" even when it is specified as "N (No)".

・"Monitor Creation (CREATE)"
・"Monitor Deletion (DELETE)"
・"Monitor Modification (MODIFY)"

2. Cause

This problem is caused by the error in the memory management when File Trigger Information is loaded in bulk.

Upon bulk loading File Trigger Information, if the following items of the File Trigger Information that is or after 9th in a list are specified as "N (No)", undefined values are set to them which cause this problem.

・"Monitor Creation (CREATE)"
・"Monitor Deletion (DELETE)"
・"Monitor Modification (MODIFY)"

3. Occurrence Condition

[Occurrence Condition of the Phenomenon 1]

It may occur if all following conditions meet in the HULFT8 for Windows/UNIX/Linux/zLinux Ver.8.4.0:

1. 9 or more trigger IDs are registered in File Trigger Information.
2. Regarding the File Trigger Information that is or after 9th in a list sorted in ascending order, one of the following items is specified as "N (No)".
   - "Monitor Creation (CREATE)"
   - "Monitor Deletion (DELETE)"
   - "Monitor Modification (MODIFY)"
3. Proceeds the following operation:
   - In the case of Windows:
     - Starts up the Request Acknowledge process
     - Executes the File Trigger Information Control command (utltriggerconf)
   - In the case of UNIX/Linux/zLinux:
     - Starts up the Request Acknowledge daemon
     - Executes the File Trigger Information Control command (utltriggerconf)
4. For the File Trigger Information monitoring target file that meets the "2." conditions, the following operation is taken:
   - If "N (No)" is specified in "Monitor Creation (CREATE)": Creates a monitoring target file.
   - If "N (No)" is specified in "Monitor Deletion (DELETE)": Deletes a monitoring target file.
   - If "N (No)" is specified in "Monitor Modification (MODIFY)": Modifies a monitoring target file.

[Occurrence Condition of the Phenomenon 2]

It may occur if all following conditions meet in the HULFT8 for Windows/UNIX/Linux/zLinux Ver.8.4.0:

1. 9 or more trigger IDs are registered in File Trigger Information.
2. One of the following items is specified as "N (No)" in any File Trigger Information.
   - "Monitor Creation (CREATE)"
   - "Monitor Deletion (DELETE)"
   - "Monitor Modification (MODIFY)"
3. Specifies the following parameter and outputs more than 9 File Trigger Information:
   - Specifies "trg" (File Trigger Information) to the -i parameter
   - Omits the -id parameter or uses an asterisk (*) to the -id parameter
     ※ the -id parameter can be omitted only in HULFT8 for Windows
4. In the output File Trigger Information, the File Trigger Information that is or after 9th in a list sorted in output order includes the File Trigger Information that meets the "2." condition.

4. Temporary Workaround

Please resolve this issue by installing Ver.8.1.3 as an addition for the File Trigger execution in the same environment.

The following are the details of the procedure and precautionary notes:

⟨Setting Procedure⟩

1. Stop Ver.8.4.0
2. Back up the etc folder under the installation directory of the HULFT Ver.8.4.0 environment.
3. Download the module for Ver.8.1.3 from myHULFT and issue the product key.
4. Newly install Ver.8.1.3 in the Ver.8.4.0 installed environment on a different directory.
5. Manually re-register the [Job Information] that is tied to the [File Trigger Information] registered in the Ver.8.4.0 environment to the Ver.8.1.3 environment.
6. If a HULFT utility is registered in the HULFT8 for Windows Ver.8.1.3 [Job Information], rewrite it to an absolute path so it will execute the Ver.8.4.0 utility.

   If a relative path specified HULFT utility is registered within a shell script that is registered to the HULFT8 for UNIX/Linux/zLinux Ver.8.1.3 [Job Information], make sure to add environment variables of the Ver.8.4.0 HULPATH and HULEXEP in front of the shell script.
7. Change all [Activate Monitoring] of [File Trigger Information] in Ver.8.4.0 to "N (No)".
8. Start Ver.8.4.0.
9. Start only the Ver.8.1.3 Request Acknowledge process (also start the service for Windows).

<Precautionary Notes>

-A history related to the [File Trigger Information] executed in Ver.8.1.3 cannot be merged to Ver.8.4.0.

-When applying the official support version release to it, you must uninstall Ver.8.1.3 and return [Activate Monitoring] of [File Trigger Information] in Ver.8.4.0 to original settings.
  After exporting all File Trigger Information using the Management Information Parameter File Generation command (utligen) in Ver.8.1.3, make sure to reimport them using the Management Information Batch Registration command (utliupdt) to the environment with the official support version release applied.

-Make sure not to duplicate the newly installed Ver.8.1.3 [System Environment Settings] path and the items that need "Port No." to be specified to Ver.8.4.0.

5. Applicable Products/Versions
- HULFT8
  - HULFT8 for Windows Ver.8.4.0
  - HULFT8 for UNIX Ver.8.4.0
  - HULFT8 for Linux Ver.8.4.0
  - HULFT8 for zLinux Ver.8.4.0

6. Release of the official support version
We will execute the minor revision update.
We will contact you later with the revision of this document for the date of the minor revision update.
*You must have the support contract in order to have the minor release update version.

End