

How to handle VAOPC files before ValvAware™ Scheduler Restart

Quick Start Guide (Rev. A)

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About this Guide

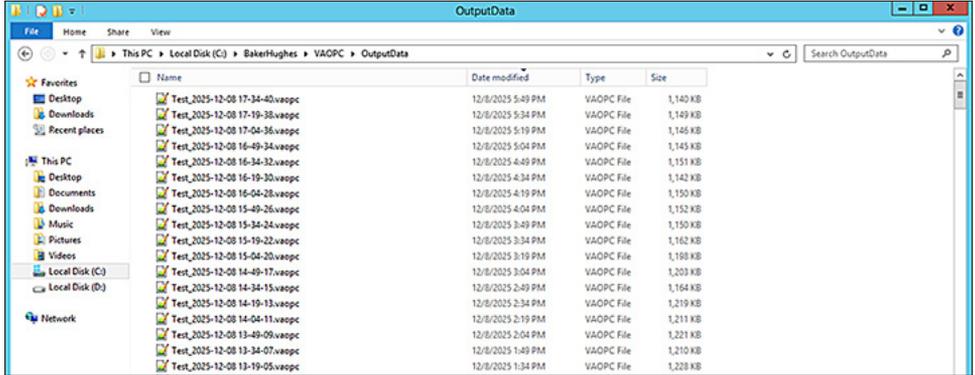
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Why VAOPC Files are not Processed Continuously

There may be multiple reasons why VAOPC files are not processed continuously – the ValvAware™ connection to the shared folder may be lost, the ValvAware schedule may be stopped, etc.

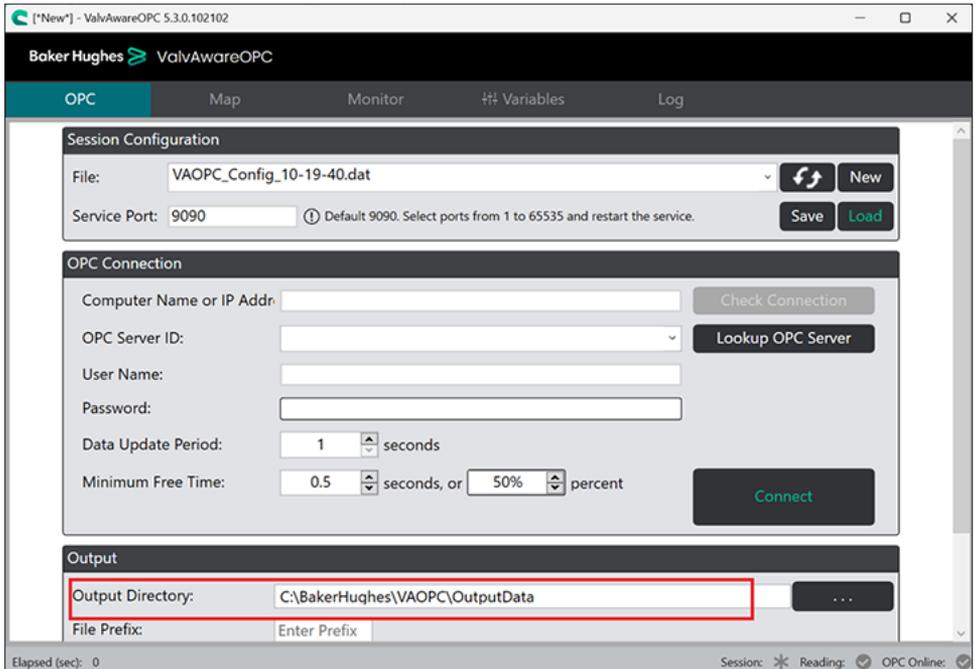
If ValvAware scheduler is not able to process VAOPC files for several days, there may be a lot of VAOPC files in the shared directory – e.g. C:\BakerHughes\VAOPC\OutputData (see screen shot below).



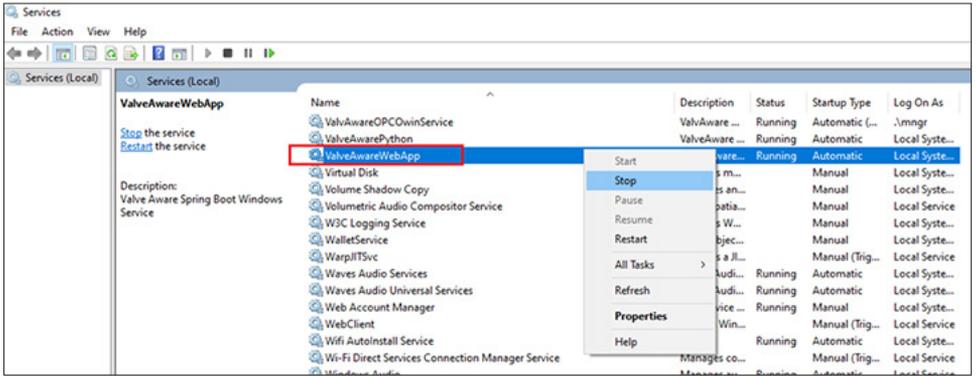
For handling these VAOPC files by ValvAware correctly and preserve the collected data, please follow below steps before restarting ValvAware scheduler:

1. Open ValvAware, open VAOPC and get "VAOPC file output" directory. By default, it is under C:\BakerHughes\VAOPC\OutputData.

The following screen shot illustrates how to identify the output location:



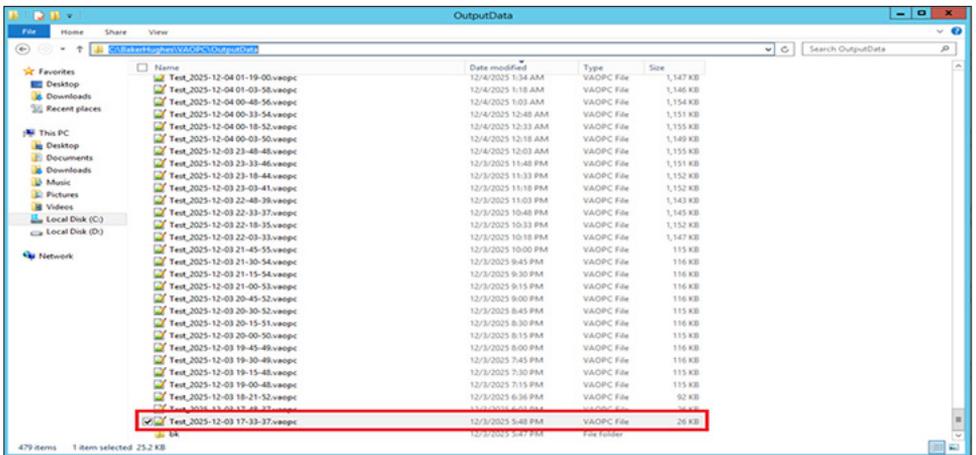
2. Open “Services” and find “ValvAwareWebApp”, stop it.



3. Create a temporary directory and copy all the files from C:\BakerHughes\VAOPC\OutputData directory to other place, e.g. C:\BakerHughes\OPCFielsBackup.

This will allow to restore them later.

4. Open C:\BakerHughes\VAOPC\OutputData, and sort files by “Data modified”, get the earliest file as shown below:

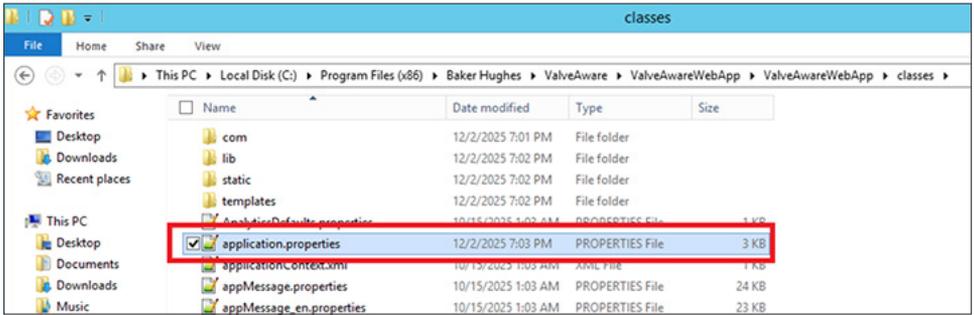


Note that the file name reflects the time when the data collection started and the date modified.

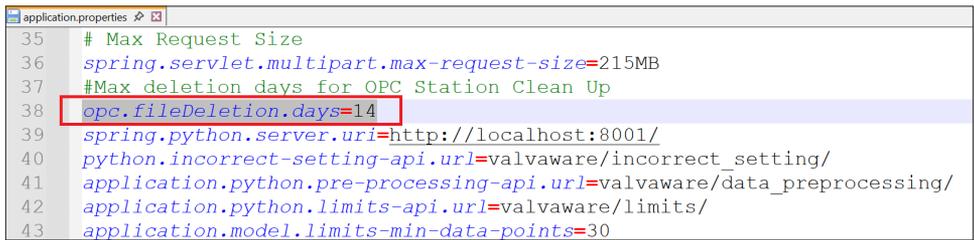
5. Calculate the number of days since the earliest VAOPC file was created (subtract “Data modified” from current machine date). For example, if the earliest time is 2025-12-03 5:48 PM, and the current machine time is 2025-12-26 6:48PM, the time difference is 23 days (plus 1 hour).
6. If the file was created in less than 14 days, ValvAware application can process these VAOPC files correctly after ValvAware scheduler start again. You can restore the connection to the share folder and allow the VA schedule to be executed.

If any files are created in more than 14 days, please follow the steps below.

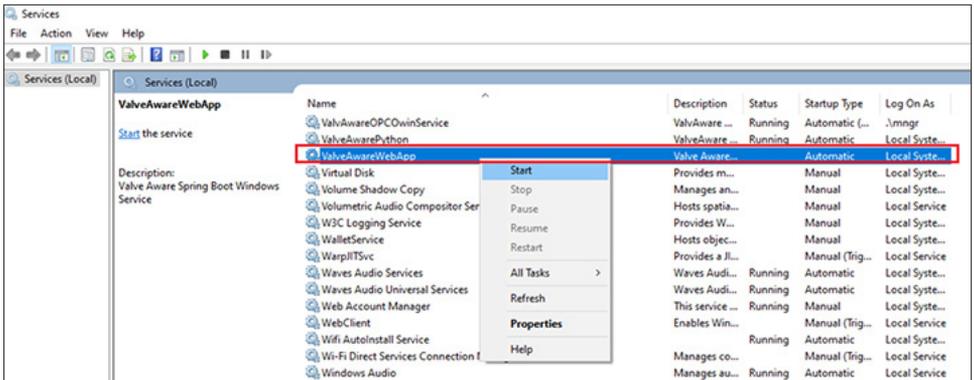
- Open ValvAwareWebApp folder C:\Program Files (x86)\Baker Hughes\ValveAware\ValveAwareWebApp\ValveAwareWebApp\classes, find “application.properties” file.



- Copy “application.properties” file to other place, like desktop. Open it with Notepad. Find property “opc.fileDeletion.days”.



- Modify the value of item “opc.fileDeletion.days”, it should bigger than the time difference we calculate at step 5. Example: In step 5, the time difference is 23 days plus 1 hour, we can modify the value of item “opc.fileDeletion.days” from 14 to 24 or bigger than 24 which is “opc.fileDeletion.days=24”, save the file.
- Close ValvAware.
- Rename application.properties file in “C:\Program Files (x86)\Baker Hughes\ValveAware\ValveAwareWebApp\ValveAwareWebApp\classes” to application.properites.backup.
- Copy the modified application.properties file back to C:\Program Files (x86)\Baker Hughes\ValveAware\ValveAwareWebApp\ValveAwareWebApp\classes directory.
- Start ValveAwareWebApp service.



14. Open ValvAware and start scheduler again.
15. Check whether the VAOPC files are processed correctly by below steps:
 - a. Check whether the VAOPC files which is earlier than 14 days can be processed one by one, do not delete all of them.
 - b. Check whether the valve test can be shown in ValvAware Diagnose ->Tests page for the records which are earlier than 14 days.

The screenshot shows the ValvAware software interface for valve D91. The main content area displays the 'Most Recent Test' results with several performance metrics represented by horizontal bars and numerical values:

- Friction: 0.58 psi
- Friction%: 3.89%
- RMS Error: 17.86
- Calibration: -3.31%
- Stick Slip: 0.00
- Tight Shutoff Cycles: No
- Cycles/hr: Not supported for device

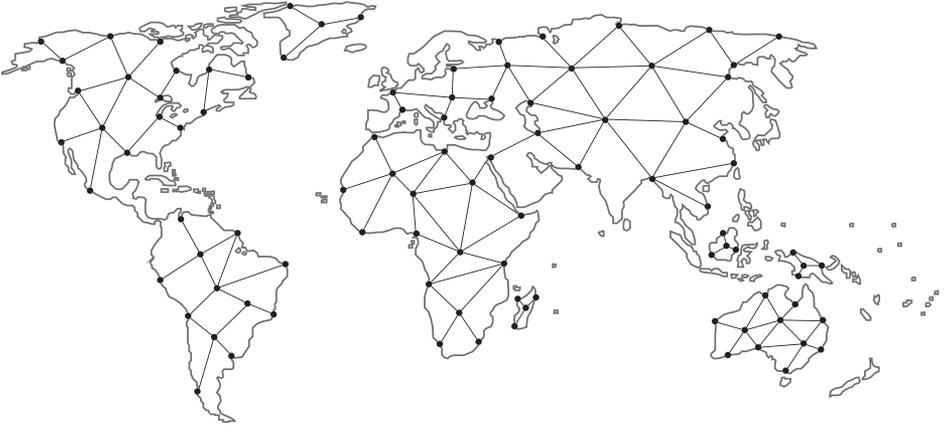
Additional information includes the Valve Health Index (a gauge showing a green-to-red gradient), Contributors (Calibration, RMS Error, Offset), and a Valve History table. The table shows one test entry:

Date	Quick Test	Friction %	RMS Error	Calibration	Stick Slip	Samples	Comment
December 4 2025 6:21 PM		3.89	17.86	-3.31	0.00	256	Performed By OPC Scheduler

The interface also features a left-hand navigation pane with 'Assets' and 'Plant' sections, and a top navigation bar with options like 'Performance', 'Tests', 'Run Test', and 'Positioner Diagnostics'. The Windows taskbar at the bottom shows the time as 10:38 AM on 12/9/2025.

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