Honeywell

BENEFITS GUARDIANSHIP NEWSLETTER

Welcome to the new quarterly BG e-Newsletter.
Here you will find the latest product updates, new release information, industry news and Honeywell Forge for Industrial solution articles.

In this issue,

- *Upgrade M&R license Procedure*
- *Cache Regeneration Procedure*
- *Upgrading to M&R R202.1 Hotfix 5 can reduce the licensed tag count*
- *Learn about enhancements to PBC provided in PBM R510*
- Virtualized and Cloud Hosted LCN based Operator Training Simulator

And don't forget to watch our latest video on the new Honeywell Forge for Industrial offering to see how it can transform your business today.

If you have any questions or comments, don't hesitate to contact us.

GlobalBGPDeliveryCentre@honeywell.com

DYNAMO® ALARM AND OPERATIONS

- M&R license and *R202.1 Hotfix upgrade*s
- Regenerate Cache

READ **DYNAMO** ARTICLES

PROFIT™ BLENDING AND MOVEMENT

- Profit Blend Controller enhancements in PBM R510

READ **PBM** ARTICLES

UNISIM® COMPETENCY SUITE

- LCN based Operator Training Simulators (OTS)

READ **UNISIM COMPETENCY** ARTICLES

PROFIT™ SUITE

- New Input/Output Data Logging Feature
- CPM R602.5 is now available
- Summary of 1Q20 Profit Suite and CPM articles

READ **PROFIT SUITE** ARTICLES

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UPCOMING PRODUCT RELEASES | CONTACT

DynAMo Alarm Suite

How to Replace a Temporary DynAMo M&R License

Symptoms

The license count exceeded or the time expired

Context

DynAMo M&R R200

Diagnosis

Feature Information from The Honeywell License Management screen showed expiry date had been exceeded.
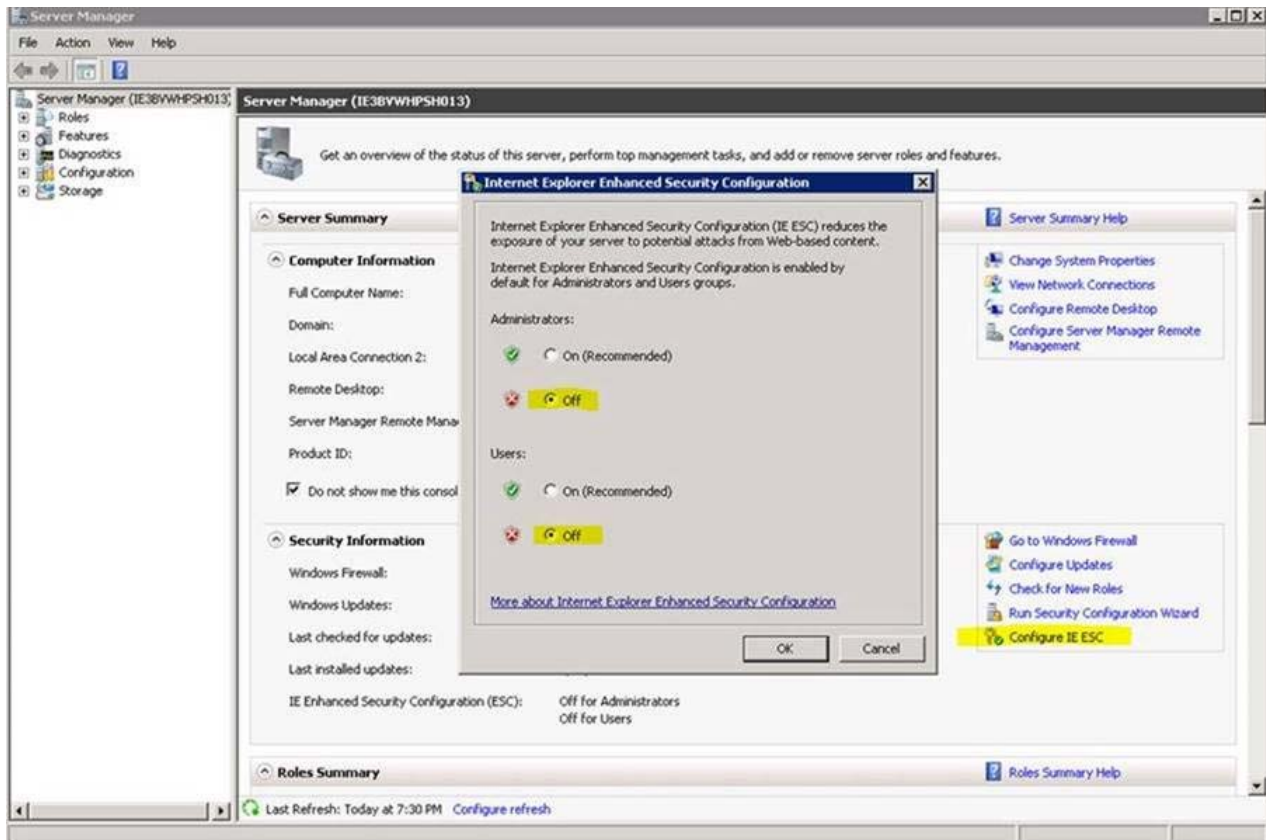
Cause

Temporary license had expired

Resolution

The below procedure should be used to add the temporary license key to the site, if you need any help installing the new license please contact the DynAMo GTAC team for assistance:

1. If you are using IE, please make sure that you have disabled IE Enhanced Security.

2. Press WinKey+S and type 'License Activation Utility' to find the application then right click to run the application 'as Administrator'

3. Go to 'Return Software License' and provide the License Key you have on site 'xxxx-xxxx-xxxx-xxxx-xxxx-xxxx-xxxx-xxxx' (no quotes)

4. From a PC on the internet send the request file via email to Honeywell-request@Honeywell.com. Note that the subject must contain the MSID or SWID

5. Wait for an email from the licensing team with the license file attached

6. Stop the 'Honeywell CLL UI Service' and 'Honeywell CLL WebAPi Service'' service by typing Winkey+R and then 'services.msc' (no quotes).

7. Delete all files from folder, but preserve the folder C:\ProgramData\Honeywell\CommonLicense\Store

8. Delete all files from folder, but preserve the folder C:\ProgramData\Honeywell\CommonLicense\TempLicense

9. Delete all files from folder, but preserve the folder C:\ProgramData\Honeywell\CommonLicense\TempLicense\Upload

10. Delete all files from folder, but preserve the folder C:\ProgramData\Honeywell\CommonLicense\TrialStore

11. Start the 'Honeywell CLL UI Service' and 'Honeywell CLL WebAPi Service'' service by typing Winkey+R and then 'services.msc' (no quotes).

12. Load the license file and press 'Activate' to return the license
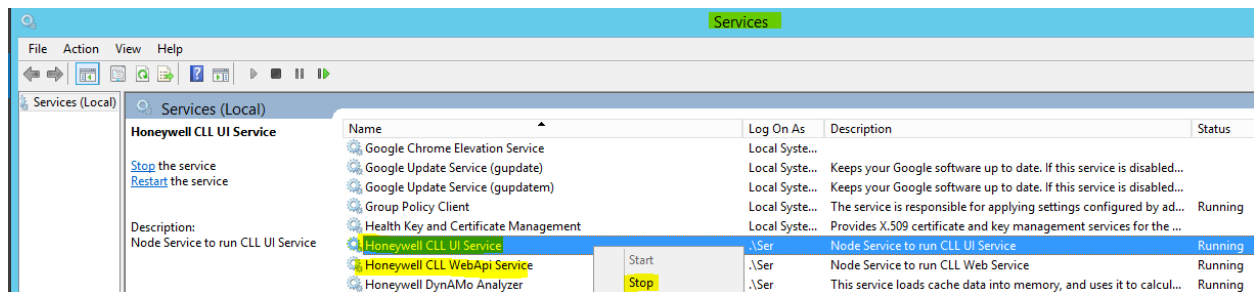
13. Press Winkey+S and type 'cmd' (no quotes) find the 'command prompt' right click and 'Run as Administrator' type 'IISRESET' (no quotes) and 'Enter'.

14. Press WinKey+S and type 'License Activation Utility' to find the application then right click to run the application 'as Administrator'

15. Check that the old license is not present by clicking on 'Feature Information'

16. Click on 'Active Software License' and tick 'Activate Offline' and click on 'Provide License Key info'

17. Enter License Key: ''xxxx-xxxx-xxxx-xxxx-xxxx-xxxx-xxxx-xxxx' (no quotes) and click on 'Generate Request'

18. From a PC on the internet send the request file via email to Honeywell-request@Honeywell.com. Note that the subject must contain the MSID or SWID

19. Wait for an email from the licensing team with the license file attached

20. Load the license file and press 'Activate' to activate the new license

21. Check the license information by clicking on 'Feature Information', especially the expiry dates

22. Re-start the 'Honeywell CLL UI Service' and 'Honeywell CLL WebAPi Service'' service by typing Winkey+R and then 'services.msc' (no quotes).

23. N.b. If the M&R core server is not in the same location as the licensing software then reboot the core server.

24. Press Winkey+S and type 'cmd' (no quotes) find the 'command prompt' right click and 'Run as Administrator' type 'IISRESET' (no quotes) and 'Enter'.

25. Check license key works by calling up a fresh version of the M&R dashboard.

How to Upgrade M&R license Procedure video - https://www.youtube.com/embed/NZlpkncWyKQ

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Complete cache regeneration Steps for Metrics & Reporting M&R R200

Question

What is the order that needs to be followed for complete cache regeneration in M&R R200.1?

Context

Dynamo M&R R200.1

Answer

Cache regeneration steps for DynamoR200
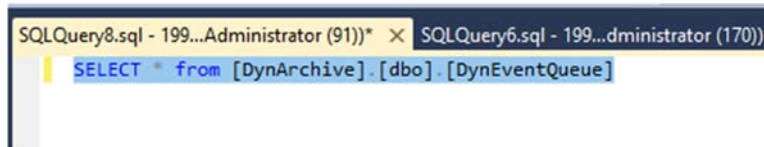
1. Stop the Honeywell DynAMo M&R Archiver service

Honeywell DynAMo Health Service	This Service...	Running	Automatic	.\administrator
Honeywell DynAMo M&R Archiver Service	Receives ev...		Automatic	.\administrator
Honeywell DynAMo M&R Collector Service	Collects eve...	Running	Automatic	.\Administrator
Honeywell DynAMo M&R Configuration and Data Transfer Service	Reads event	Running	Automatic	\administrator

2. Wait till the DynEventqueue table becomes empty in DynArchive database.

   You can check by running the below SQL query on DynArchive Database.

   SELECT * from [DynArchive].[dbo].[DynEventQueue]

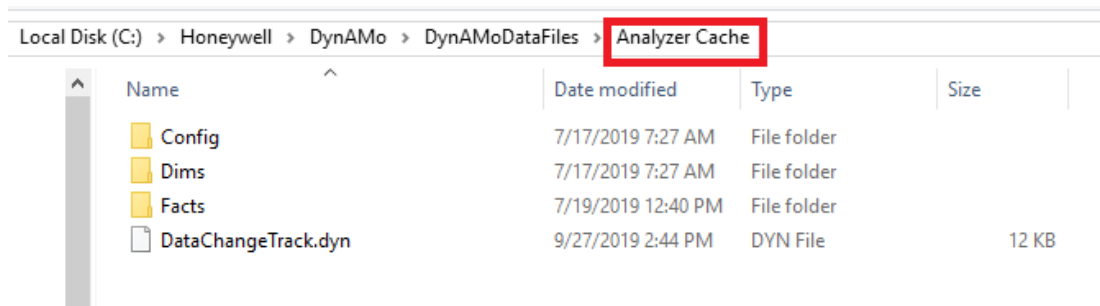   Virtualized and Cloud Hosted LCN based Operator Training Simulator

SQLQuery8.sql - 199...Administrator (91))* ×	SQLQuery6.sql - 199...dministrator (170))
SELECT * from [DynArchive].[dbo].[DynEventQueue]	

3. Once above step gets completed, Stop the Honeywell DynAMo Archiver Interface service and Honeywell DynAMo Analyzer service.

|				
Honeywell CLL WebApi Service	Node Servic...	Running	Automatic	.\administrator
Honeywell DynAMo Analyzer	This service ...		Automatic	.\administrator
Honeywell DynAMo Archiver Interface	This Service...		Automatic	.\administrator
Honeywell DynAMo Health Service	This Service...	Running	Automatic	.\administrator
Honeywell DynAMo M&R Archiver Service	Receives ev...		Automatic	.\administrator
Honeywell DynAMo M&R Collector Service	Collects eve...	Running	Automatic	.\Administrator

4. Take the backup of the entire folder 'Analyzer cache' shown below.

   C:\Honeywell\DynAMo\DynAMoDataFiles\Analyzer Cache

   Local Disk (C:) > Honeywell > DynAMo > DynAMoDataFiles > Analyzer Cache

 | Name | Date modified | Type | Size |
   |---|---|---|---|
   | Config | 7/17/2019 7:27 AM | File folder | |
   | Dims | 7/17/2019 7:27 AM | File folder | |
   | Facts | 7/19/2019 12:40 PM | File folder | |
   | DataChangeTrack.dyn | 9/27/2019 2:44 PM | DYN File | 12 KB |

5. Then delete the contents of the above Analyzer cache folder.

6. Use the DynAMo Data Manager Studio from the below location,

    C:\Program Files (x86)\Honeywell\DynAMo\Utilities\Data Manager Studio
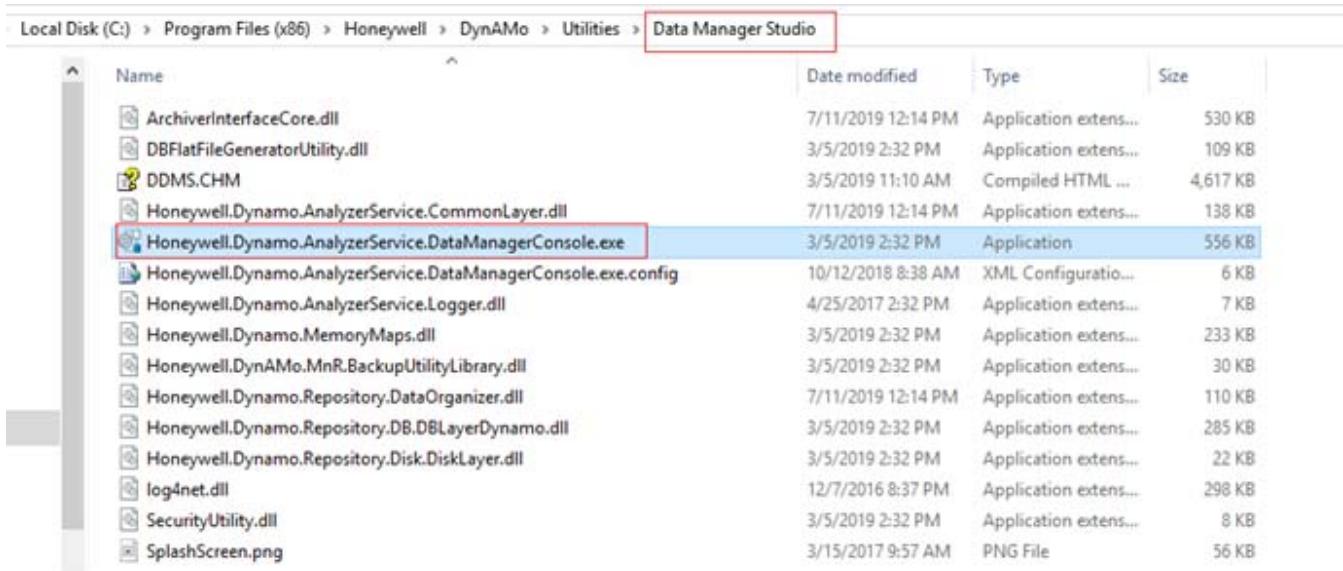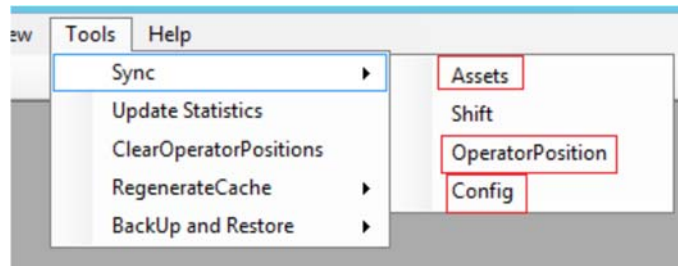

7. Then Regenerate the Cache > 'Complete' using the below option in DynAMo Data Manager Studio as shown below.
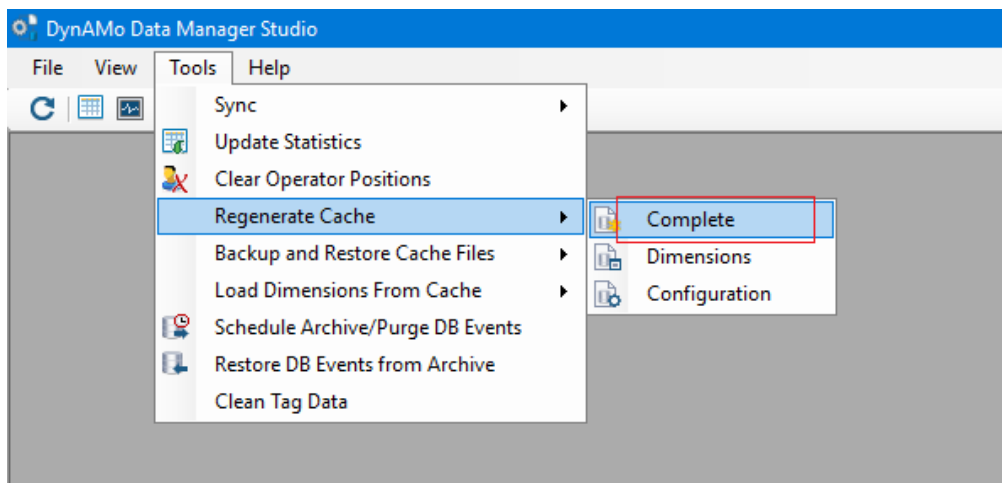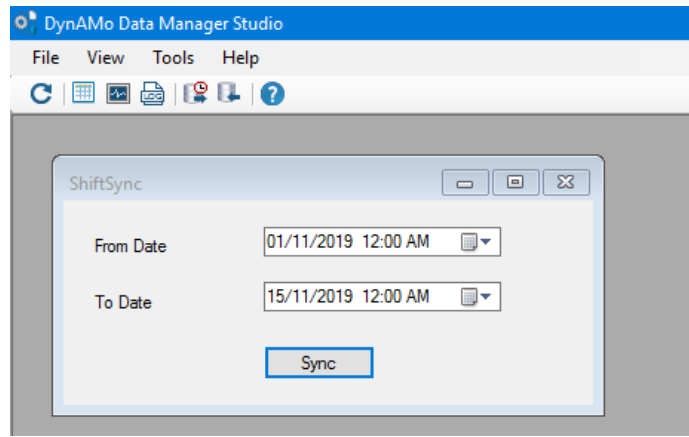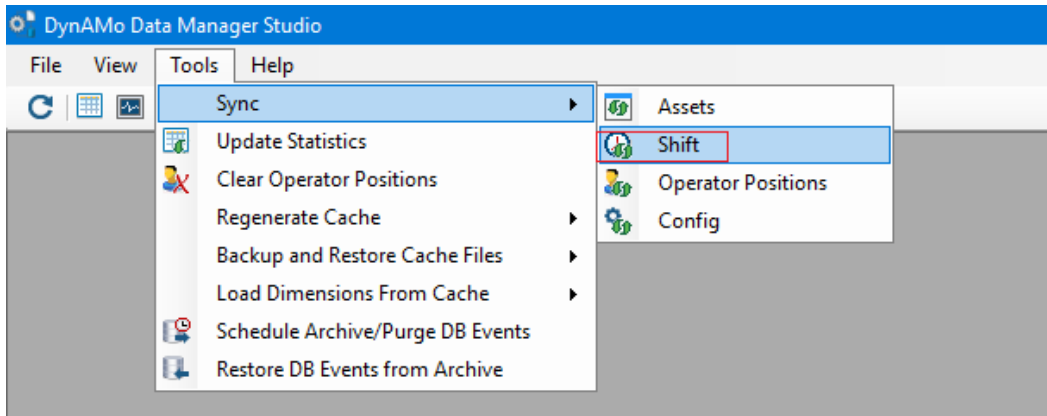

8. Then start Analyzer and Archiver interface services which was stopped in 3 above, and then do the update statistics as shown below.
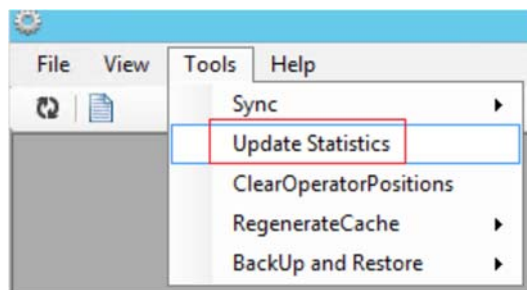
9. Then perform asset sync, operator position sync and then config sync as shown in the below screen captures.
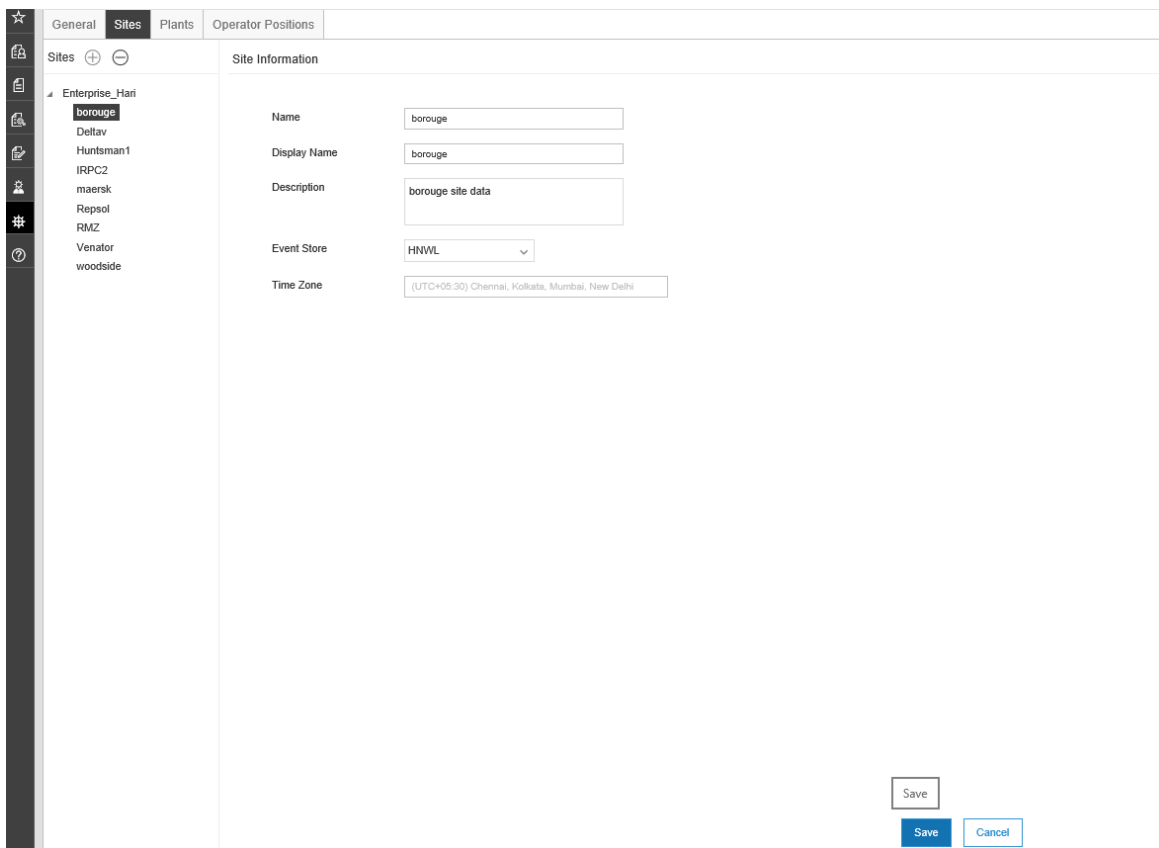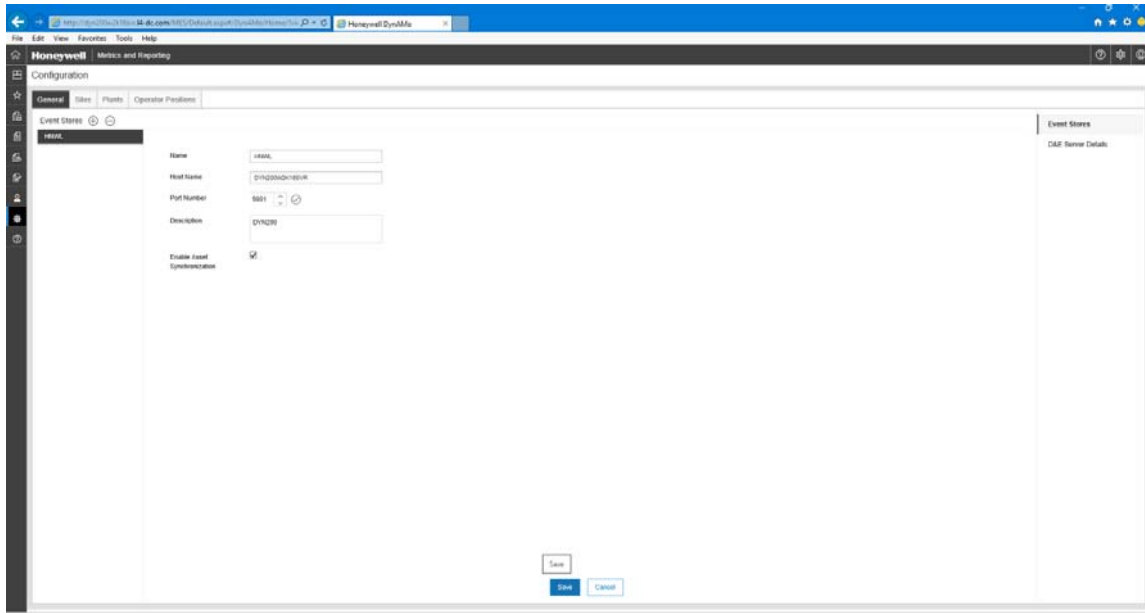

Note: If shift is configured then you need to do shift sync as well.

10. Then Restart the analyzer service and start the Archiver service.

11. Launch Intuition Home page. Go into the DynAMo dashboard and go to 'Configuration' and 'Save' all the 'Event Stores' and 'Sites' and perform an IISRESET.

12. Launch the Dynamo home page and check if all the reports are working fine.

How to Upgrade Cache Regeneration Procedure https://www.youtube.com/embed/XbZ6r8Mye8A

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Upgrade M&R to at least R202.1 Hot Fix 5

Question

Can upgrading to M&R R202.1 Hotfix 5 reduce the licensed tag count?

Background

DynAMo M&R R20x up to R202.1 Hot Fix 4

Answer

DynAMo R202.1 Hot Fix 5 contains a new and simpler tag count license criterion, it is based on unique tags per site, where each tag's associated Asset must be assigned to at least one Operator Position to count. If none of the tag's Assets are not associated with an Operator Position, then the tag does not get included in the licensed tag count.

With earlier versions of DynAMo R20x the licensed tag count worked on unique Tag + Asset, where the Asset must be assigned to an Operator position. If tags get moved from one Asset to another then the tag count is raised, of a tag has a system Asset associated with it this also raises the licensed tag count if the system Asset is assigned to an Operator Position.

The licensed tag count is worked out from the cached files in the Analyzer cache every hour and then written to the event store. Therefore, the tag count value from the event store is always the same as you see from the M&R dashboard. Use the below query to see the current licensed tag count, by logging on with administrator or SA rights using SSMS to the SQL server which contains the DynArchive database:

SELECT TagCount FROM [Honeywell.DynAMo.Alarms].[dbo].[EventStores]

To get an accurate tag count value from the database you must consider all the tags and not segregate per channel, the value can still be different to the one seen on the dashboard as the tag count is calculated every hour from the cache files. The cache and SQL DB tag counts are only aligned when you do a 'Full Cache Regeneration' using the 'DDMS' tool, as you can purge old information out from the SQL database, and wait at least 2 hours before checking the difference.

To calculate the tag count for a pre R202.1 Hot Fix 5 system use the following SQL query:

 'SQL MnR R200 tag count number'.

If the M&R database is from a migrated system such as M&R R120 or a pre-release, then the link between Asset and Operator Position is different to a newly created system, so if the above query returns values way out from the event store figure then use the following query to calculate the licensed tag count:

'SQL MnR R200 tag count number migrated'

To calculate the tag count for a R202.1 Hot Fix 5 system and above use the following SQL query:

 'SQL MnR R202.1 HF5 Tag count number'.

If you used the migrated query, then use the following to calculate the R202.1 Hot Fix 5 licensed tag count:

'SQL MnR R202.1 HF5 Tag count number Migrated'

From the results you should be able to determine whether an upgrade to the new DynAMo licensing will sort out any present licensing issues.

You will only see the tag count aligned between the cache file and database when a full cache regeneration is performed. Refer to the 'M&R R200.1 cache regeneration steps' knowledge article 104198 and troubleshooting guide 106809 'DDMS Full Cache regen Fixes'

If the upgrade will not reduce the tag count then read knowledge article 100066 on 'How to reduce M&R tag count'

Profit® Blending and Movement Suite

PBC Enhancements in R510

Did you know … that in Profit Blending and Movement (PBM) release R510, there are enhancements to the Profit Blend Controller (PBC) application?

Profit Blend Controller (PBC) provides control of in-line blending processes. Profit Blend Controller is part of the Profit Blending and Movement (PBM) family of applications. Working in conjunction with Profit Blend Optimizer (PBO) (for model-based product property control), Blending Instructions (BI), Profit Movement Management (PMM) and other related products, Profit Blend Controller forms part of a total solution for blending and movements automation.

Enhancements to PBC in release R510 include the following:

- Show the minimum and maximum flows from front-end pumps associated with a PBC virtual pump.

- Provide options to overwrite the front-end FCV **Low Flow Limit** and **SP High Limit** with the minimum and maximum flows respectively from the assigned virtual pump. These values are then used in recipe validation as well as monitored of running blends (for pacing and blend shutdown conditions).

New information has been added to the PBC Pump Detail display, under Pump Properties, as shown in Figure 1 below.

Minimum Flow	This is the minimum flow supported by the virtual pump.
	This value is calculated from the list of front-end pumps whose Use Pump setting is enabled, even when the 'Run One Pump' strategy is selected. The largest minimum flow from the front-end pumps is assigned as the minimum flow for the virtual pump.
Maximum Flow	This is the maximum flow supported by the virtual pump.
	This value is calculated from the list of front-end pumps whose Use Pump setting is enabled, even when the 'Run One Pump' strategy is selected. The largest minimum flow from the front-end pumps is assigned as the minimum flow for the virtual pump.

For an integrated PBC-PMM blender environment, the minimum and maximum flow values are set by PMM, rather than by PBC.
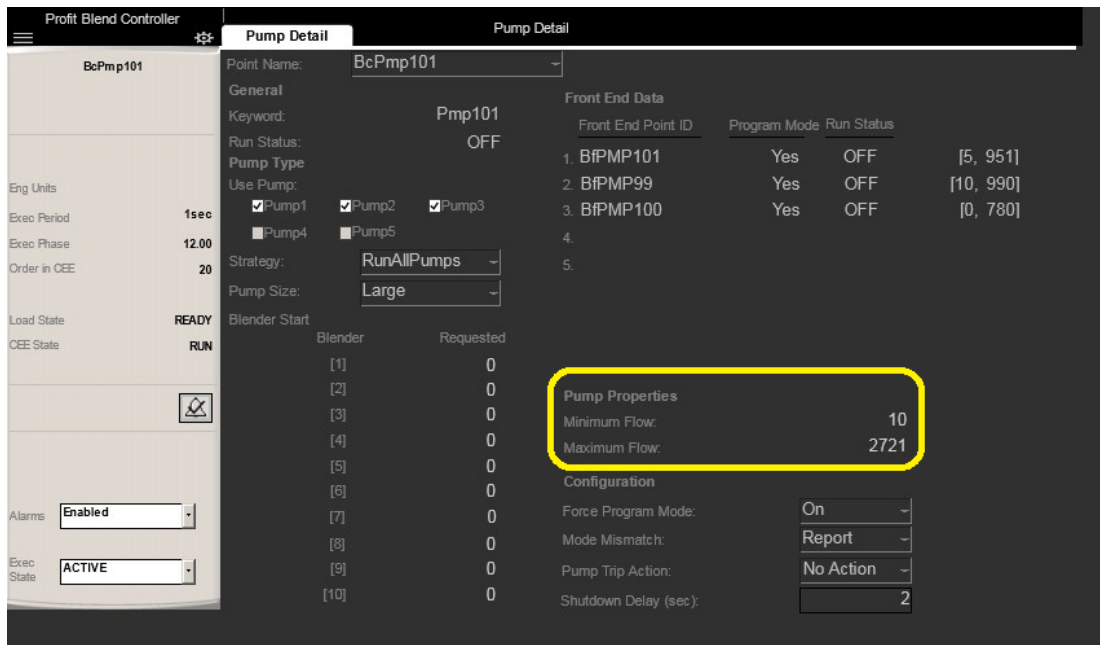

Figure 1: PBC Pump Detail display

The new configuration settings are found on the Flow Controller Detail – Configuration display, as shown below in Figure 2, under Pump Flow Limits.

Figure 2: PBC Flow Controller Detail – Configuration display

The **Pump Flow Limits** section provides the following new configuration settings:

Use Pump Min Flow	If enabled, the flow controller's **Low Flow Limit** will be overwritten with the minimum flow supported by the assigned virtual pump.
	The current value of the assigned virtual pump's minimum flow is shown alongside the checkbox. If no pump is assigned to the FCV, the value is shown as NaN.
Use Pump Max Flow	If enabled, the flow controller's **SP High Limit** will be overwritten with the maximum flow supported by the assigned virtual pump.
	The current value of the assigned virtual pump's maximum flow is shown alongside the checkbox. If no pump is assigned to the FCV, the value is shown as NaN.

The overwrite will occur only when the FCV is stopped, and the virtual pump's minimum / maximum flow is not NaN.

For more information on these enhancements to PBC, or any of the PBM applications, please contact your Honeywell Account Manager or your local Application Support office.

Application Support Contact Information:

- The Americas: rac.support@honeywell.com
- Europe, Middle East and Africa: bma.support.emea@honeywell.com
- Asia Pacific: bflex.support.ap@honeywell.com

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UniSim® Competency Suite

Virtualized and Cloud Hosted LCN based Operator Training Simulator

This month's article seeks to inform installed base customers with LCN based Operator Training Simulators (OTS) about opportunities to migrate their systems to a on premise virtualised platform or to host the system offsite in the cloud.

To access other information about UniSim Competency Suite, customers are invited to register to use the Knowledge Base. Please follow this link for full details.

Overview

Many customers have taken advantage of the benefits of virtualization for reducing system hardware footprint, flexibility of system maintenance and ease of use when deploying or upgrading an EPKS based OTS. Now it is possible for customers with Local Control Network (LCN) based systems to take advantage of virtualization and cloud deployment by migrating their LCN based system to an Experion Local Control Network (ELCN) based system.

ELCN and OTS

Honeywell introduced ELCN with Experion R501.1 and TPN 687.1 as a method for customers to convert TPS systems using coax cables to integrate smoothly with the latest EPKS solutions running with Fault Tolerant Ethernet (FTE) cables and protocols. ELCN allows retention of all the intellectual property embedded in the classic LCN node. It is now possible to host a fully featured OTS as shown in Fig 1 using Virtualization Infrastructure as shown in Fig 2.
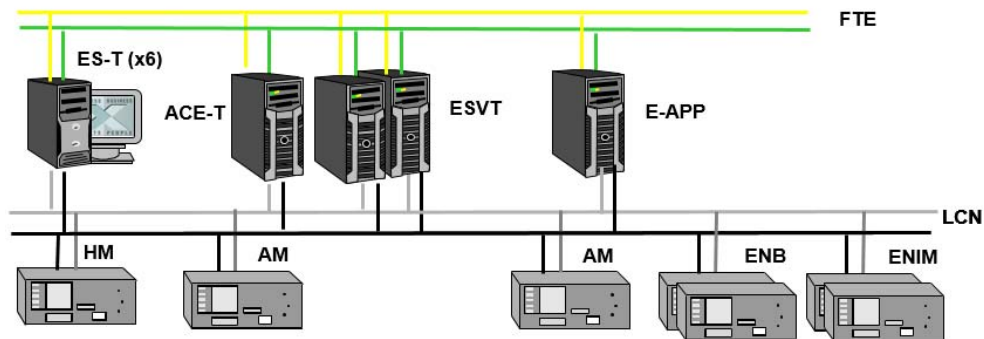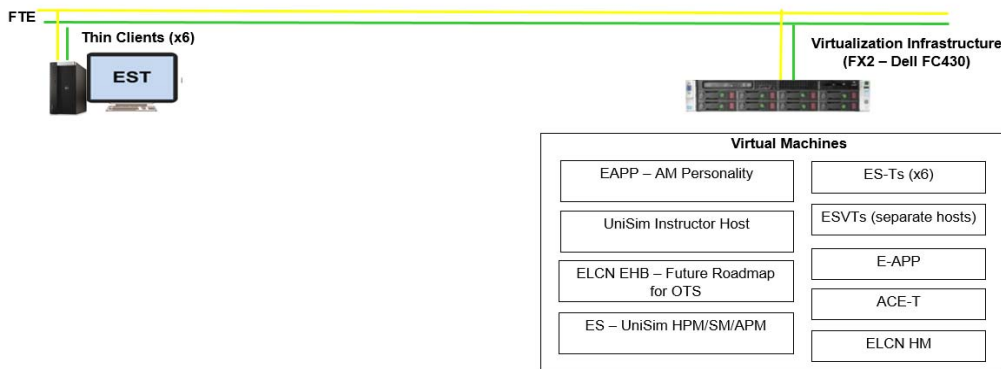

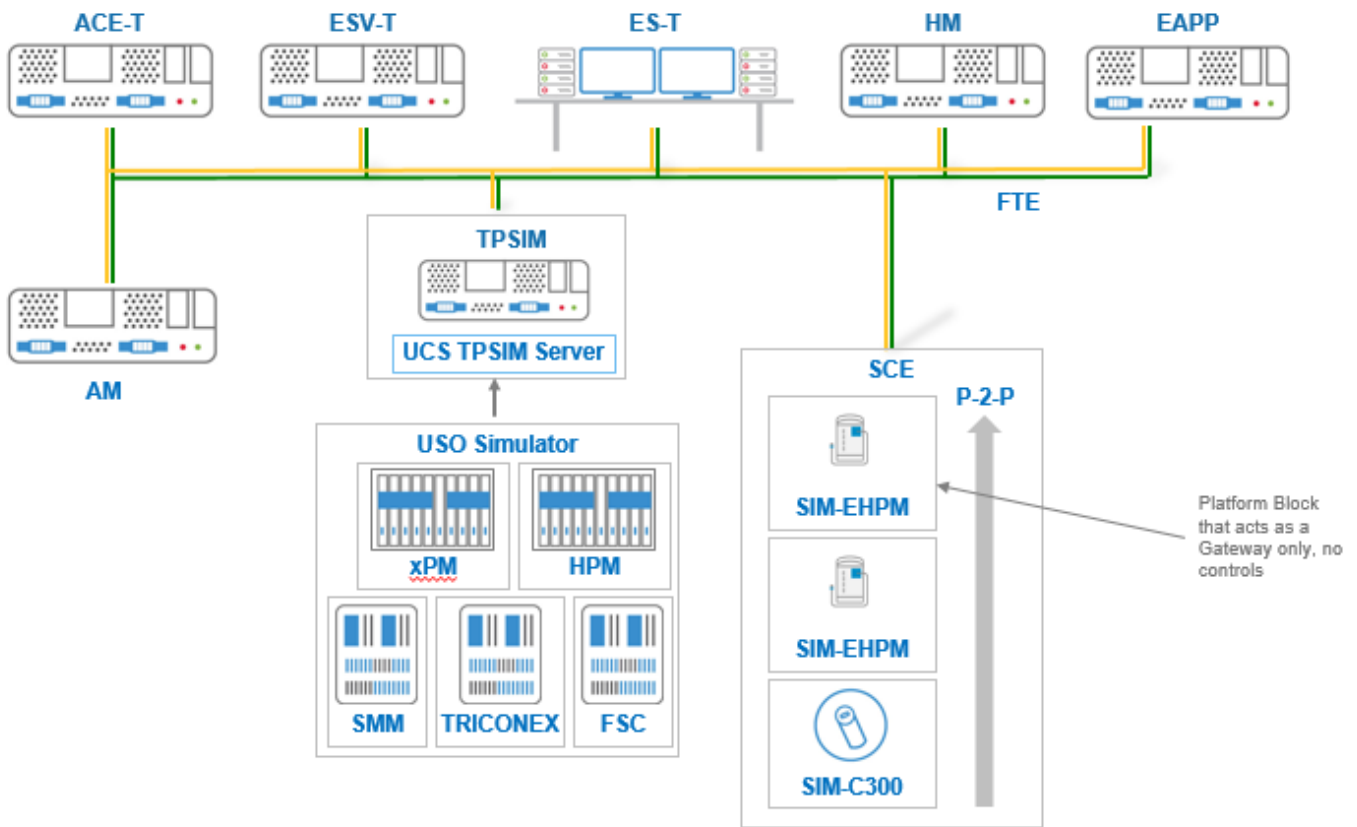Fig 1 Coax Based system

Fig 2 FTE based system

Fig 3 Detail of the OTS Architecture

Fig 3 shows more detail of a typical OTS deployment. Here the USO Simulator retains the task of emulating xPM scope controls, Safety Manager, FSC, Triconex and other PLC logic just the same as with a classic LCN deployment. Residing in the Simulation Controls Environment the SIM-EHPM acts as a gateway only, there is no control execution. The USO Simulator is linked to the FTE environment using the traditional TPSIM COMserver and TPSIM COMclient application hosted on an eAPP.

Virtualization and the Cloud

When a system is fully virtualized, there is an additional opportunity to host the Virtualization Infrastructure in the cloud. Local furniture including Quad Screens and OEP keyboards are supported locally thus maintaining a high-fidelity training experience for the operators. Cloud hosted OTS offers the opportunity to let others, including Honeywell, manage and maintain the bulk of the hardware reducing maintenance effort and freeing up resources to concentrate on training and plant operations.

Customers wishing to find out more about migrating their OTS to an ELCN based system are invited to contact their Honeywell Account Team.

UniSim Competency Suite Training

The UniSim courses provided at the Honeywell's Automation Colleges are:

UniSim Design:

- PDS-4526: Fundamentals - Process Modeling Using UniSim Design
- PDS-4527: Advanced - Process Modeling Using UniSim Design
- PDS-4528: Fundamentals - Dynamic Modeling Using UniSim Design Suite

UniSim Operations:

- OTS-0001: Fundamentals - UniSim Instructor Operation
- OTS-0002: Fundamentals - UniSim Configuration Implementation
- OTS-0003: Fundamentals - UniSim Run Time Graphics Using HMIWeb Implementation
- OTS-0004: Fundamentals - UniSim System Manager Administration
- OTS-0006: Fundamentals - UniSim Experion Implementation

Console Operator Training:

- OTS-0007-AT: Operator Training & Simulation: Fundamentals - Distillation Operation
- OTS-0008-AT: Operator Training & Simulation: Fundamentals - Hydrotreating Unit Operation
- OTS-0009-AT: Operator Training & Simulation: Fundamentals - Fired Heater Operation
- OTS-0010-AT: Operator Training & Simulation: Fundamentals – Centrifugal Compressor Operation

To get the schedules and more details about these training courses on simulation or other Honeywell products, go to https://www.honeywellprocess.com/en-US/training/Pages/default.aspx.

Under some conditions, those courses can also be provided at the customer's site as appropriate.

Operator Competency Software Updates available

Operator Competency Software Updates are now available for currently supported versions of UniSim Competency Suite

UniSim Competency Suite R470 has been released in January 2020 (no patch released yet)

UniSim Competency Suite R461 patch releases…

The latest patch for UniSim® Competency Suite R461 is Patch 1 (released on January 13, 2020). The main corrections include:

- Support for customer logo in evaluation reports
- Bug fixing for Yokogawa emulation
- Bug fixing for Tristation structured text translation
- Bug fix to Safety Manager Translation toolkit.

UniSim Competency Suite R460 patch release…

The latest patch for UniSim® Competency Suite R460 is Patch 5 (released on March 20, 2019). The main corrections are described in the previous quarter newsletter.

UniSim Competency Suite R452 is now in Phased Out Status. Patch Releases...

The latest patch for UniSim® Competency Suite R452 is Patch 4 (released on March 27, 2019).

UniSim Competency Suite R451 is now in Phased Out Status. Patch Releases...

The latest patch for UniSim® Competency Suite R451 is Patch 2 (released on April 11, 2018).

UniSim Competency Suite R450 is now in Phased Out Status. Patch Releases...

The latest patch for UniSim® Competency Suite R450 is Patch 8 (released on April 12, 2019).

Article submitted by – Martin Ross for UniSim Competency Suite Global Support Team

Profit Suite™

Profit Suite R502.1 Tips and Tricks #3 – New Input/Output Data Logging Feature

Profit Suite R502 recently released, contains eight new features/functions, which are conveniently listed in the 'What's New in R502.1' mid-section of the Profit Suite Help Center R502.1 home page, see screenshot below, and it is hoped to cover the remaining new features in further articles:
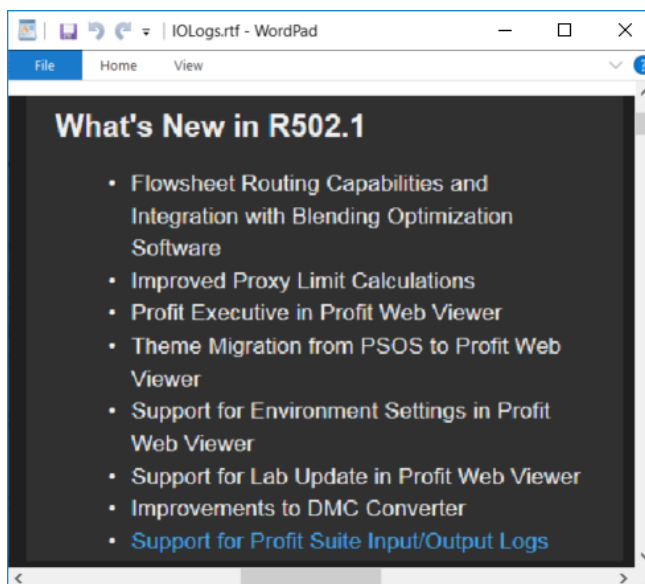
This Tips and Tricks article will specifically cover the last highlighted item above 'Support for Profit Suite Input/Output Logs'. The actual Help screens will be used to illustrate this new feature, but with a narrative to describe context, configuration and reasoning why the different elements of the feature are as they are.

Profit Suite 502 is installed as a patch on top of the full release version R500 and includes all new R501 features and defect fixes. The patch is available for download from the Honeywell support web site:
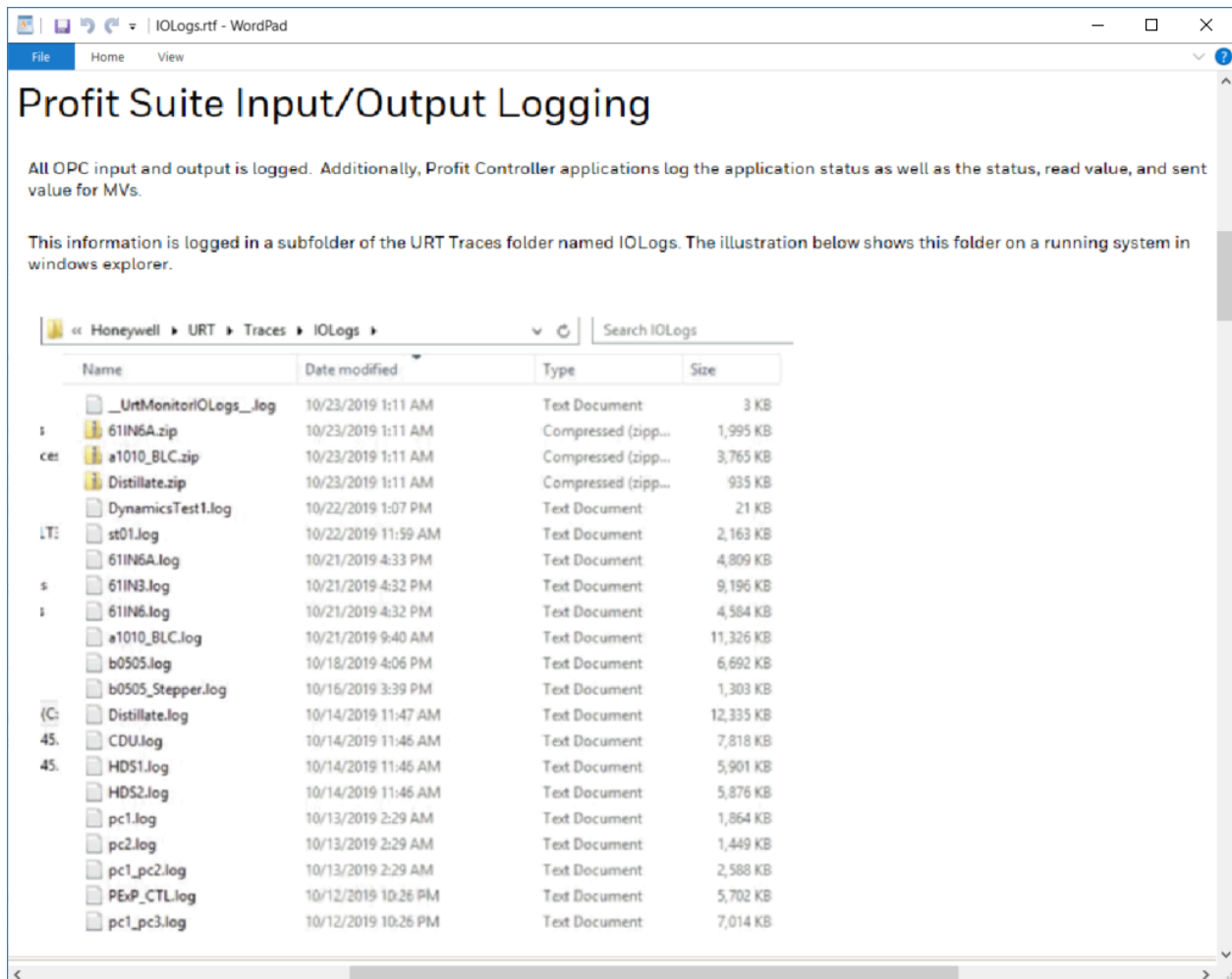
https://www.honeywellprocess.com/en-US/support/Pages/default.aspx

This new feature can be broadly broken down into three main areas:
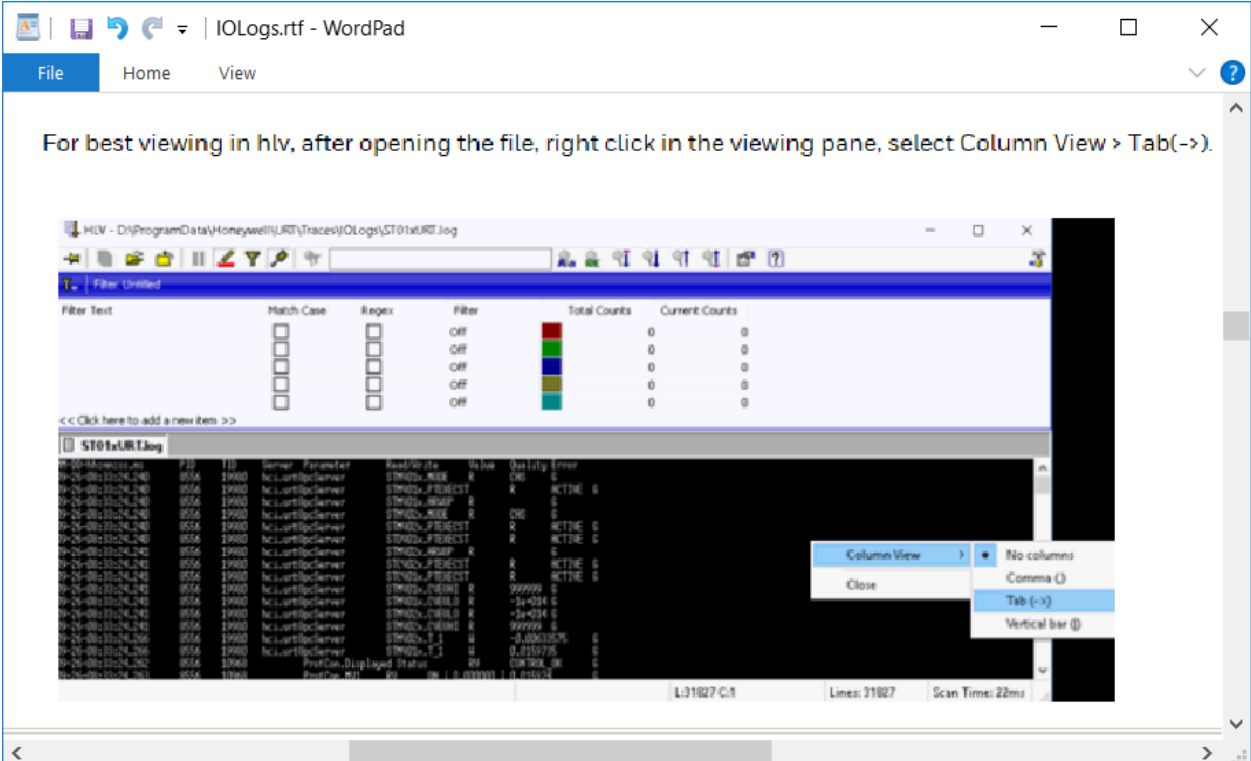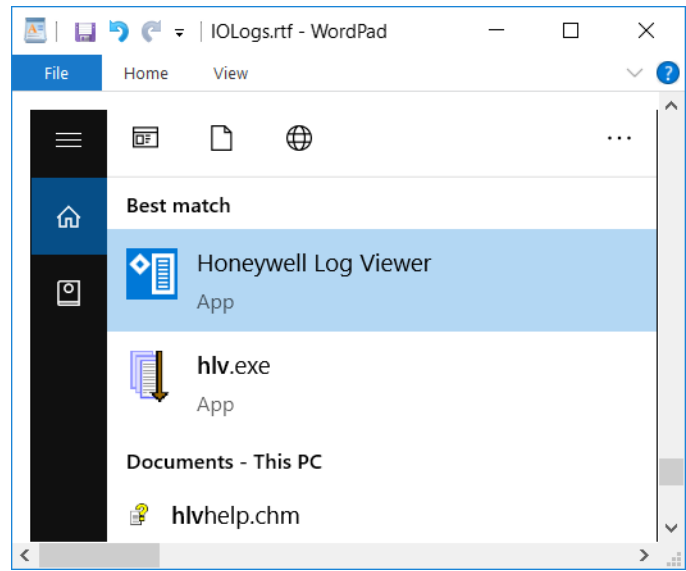
- Profit Suite Input/Output Logging
- Disk Space Management
- Configuration

1. Profit Suite Input/Output Logging

For many years, during many root cause investigation analyses, knowing whether Profit Controller or a PID controller or a 3rd Party application or indeed a spurious OPC and/or network loading or corruption issue has caused a SP or OP to be moved has always proved a difficult and time-consuming task. It is hoped this new feature, not just limited to Profit Controller, will put an end to the question 'was it Profit Suite' that caused a SP or OP to move. The Help screens below describe this feature, its time/date stamp format and the location of the log/trace files:

Profit Suite Input/Output Logging

All OPC input and output is logged. Additionally, Profit Controller applications log the application status as well as the status, read value, and sent value for MVs.

This information is logged in a subfolder of the URT Traces folder named IOLogs. The illustration below shows this folder on a running system in windows explorer.

Name	Date modified	Type	Size
__UrtMonitorIOLogs__.log	10/23/2019 1:11 AM	Text Document	3 KB
61IN6A.zip	10/23/2019 1:11 AM	Compressed (zipp...	1,995 KB
a1010_BLC.zip	10/23/2019 1:11 AM	Compressed (zipp...	3,765 KB
Distillate.zip	10/23/2019 1:11 AM	Compressed (zipp...	935 KB
DynamicsTest1.log	10/22/2019 1:07 PM	Text Document	21 KB
st01.log	10/22/2019 11:59 AM	Text Document	2,163 KB
61IN6A.log	10/21/2019 4:33 PM	Text Document	4,809 KB
61IN3.log	10/21/2019 4:32 PM	Text Document	9,196 KB
61IN6.log	10/21/2019 4:32 PM	Text Document	4,584 KB
a1010_BLC.log	10/21/2019 9:40 AM	Text Document	11,326 KB
b0505.log	10/18/2019 4:06 PM	Text Document	6,692 KB
b0505_Stepper.log	10/16/2019 3:39 PM	Text Document	1,303 KB
Distillate.log	10/14/2019 11:47 AM	Text Document	12,335 KB
CDU.log	10/14/2019 11:46 AM	Text Document	7,818 KB
HDS1.log	10/14/2019 11:46 AM	Text Document	5,901 KB
HDS2.log	10/14/2019 11:46 AM	Text Document	5,876 KB
pc1.log	10/13/2019 2:29 AM	Text Document	1,864 KB
pc2.log	10/13/2019 2:29 AM	Text Document	1,449 KB
pc1_pc2.log	10/13/2019 2:29 AM	Text Document	2,588 KB
PExP_CTL.log	10/12/2019 10:26 PM	Text Document	5,702 KB
pc1_pc3.log	10/12/2019 10:26 PM	Text Document	7,014 KB

The information is logged to a file bearing the name of the Profit Suite application and a .log suffix.

The file contents are formatted to encourage the use of the Honeywell Log Viewer application (hlv.exe) or Microsoft Excel. The records in the file are tab delimited. The first line is a header containing the column headings:

MM-DD-hh:mm:ss.ms PID TID Server Parameter Read/Write Value Quality Error

Columns:

Field	Description
MM-DD-hh:mm:ss.ms	The date and time that the log is written.
PID	The process ID of the application's CoUrtPlatform.exe process at log time
TID	The thread id of the thread writing the log
Server	The OPC server for the input or output
Parameter	The OPC item id or Profit Suite parameter name
Read/Write	Read for inputs, Write for outputs, RV for report value of PS parameter
Value	The value communicated or reported
Quality	The quality of the value. G is good.
Error	The error string if there was an error or blank

Honeywell Log Viewer, hlv.exe, is the best way to view the IO .log files, which is simply invoked by typing hlv in the Taskbar Search window and then configured as follows, see screenshots below:

The following screenshots show typical input/output logging for ST01x on a simulated process system:

2. Disk Space Management

From the outset it was realized that this new feature, while extremely beneficial for the reasons given above in section 1, had the potential to produce numerous very large files impacting disk free space. Therefore, this is managed through a combination of maximum age of the logs and the total amount of disk space consumed. In addition, in a similar way to tracing, individual log files roll over after a certain size limit is reached and the previous log file is renamed with appropriate time/date stamp, see details:

The standard Windows Task Scheduler is pre-configured with the URT IO Log Monitor task, see below:
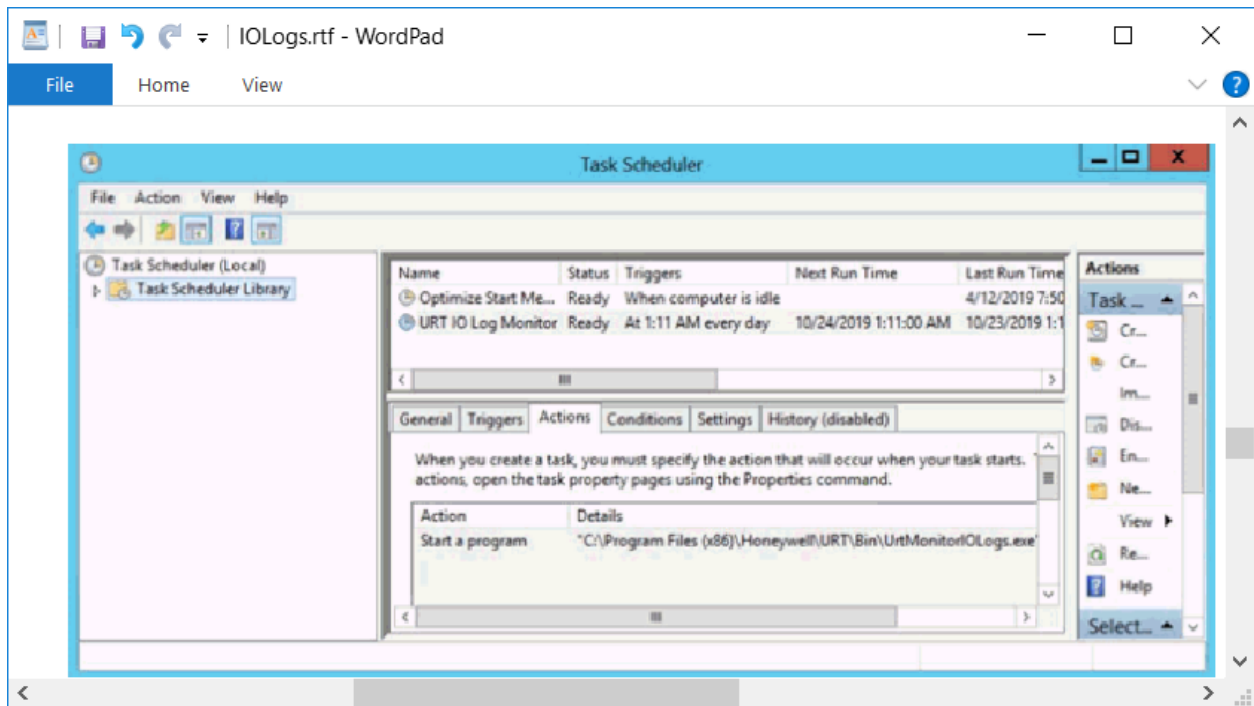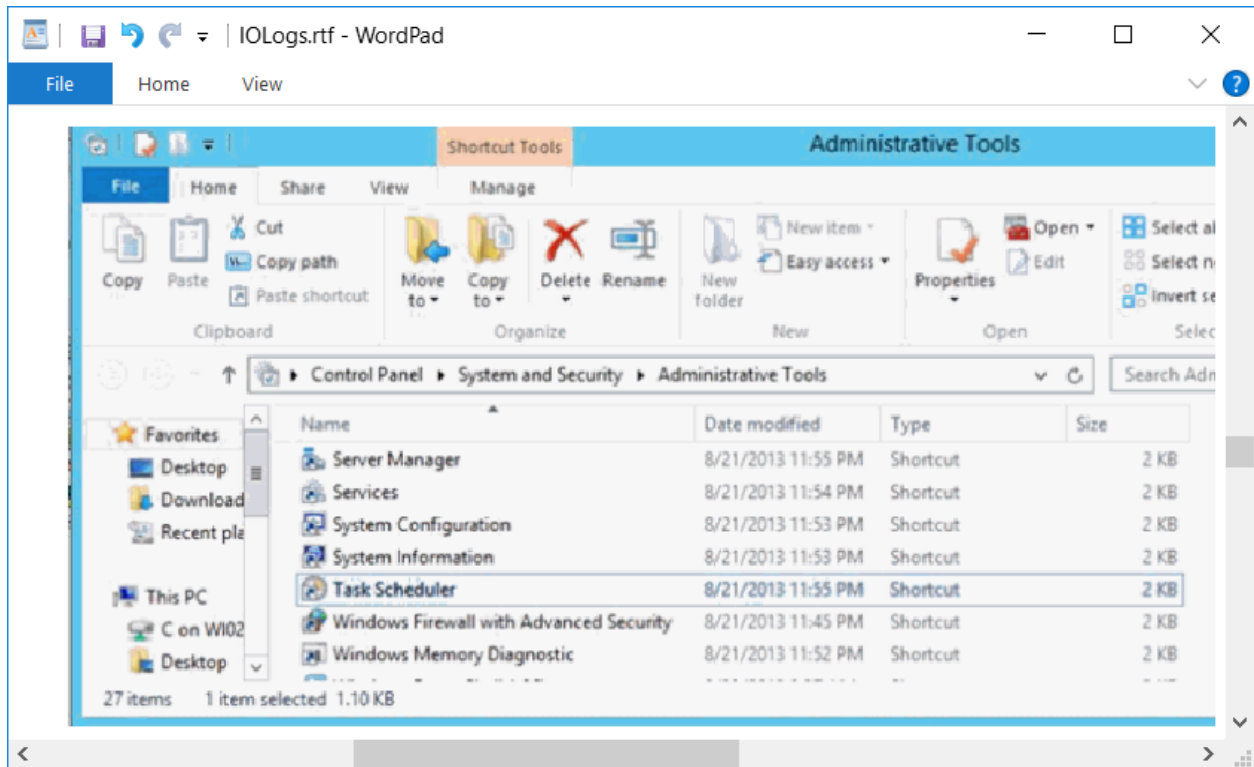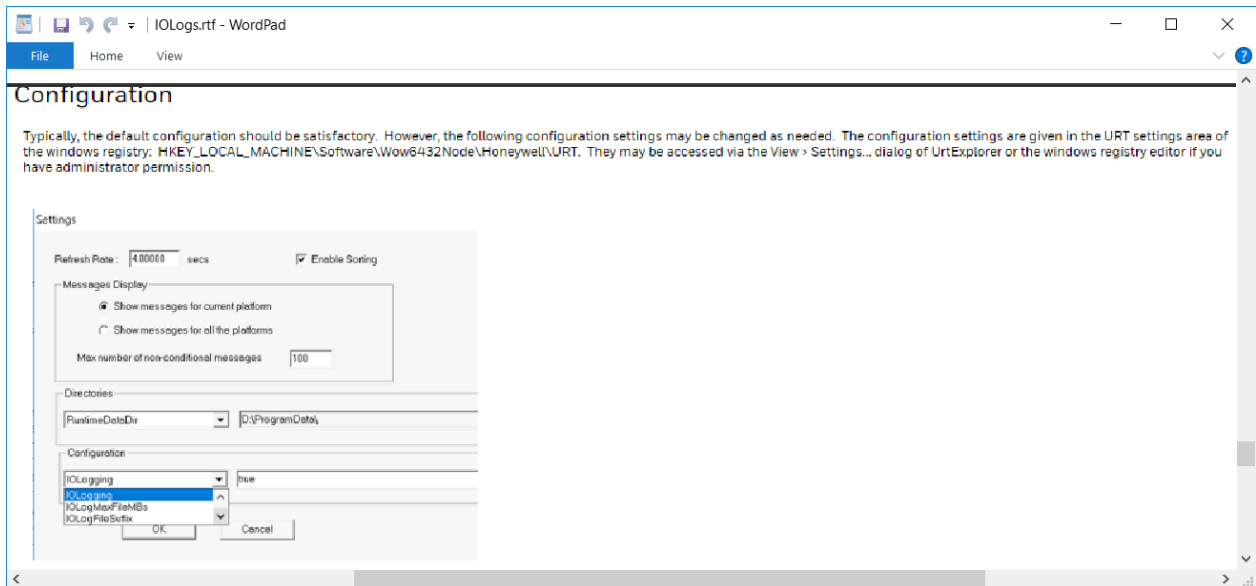
How this disk management UrtMonitorIOLogs.exe program works is detailed step by step below:
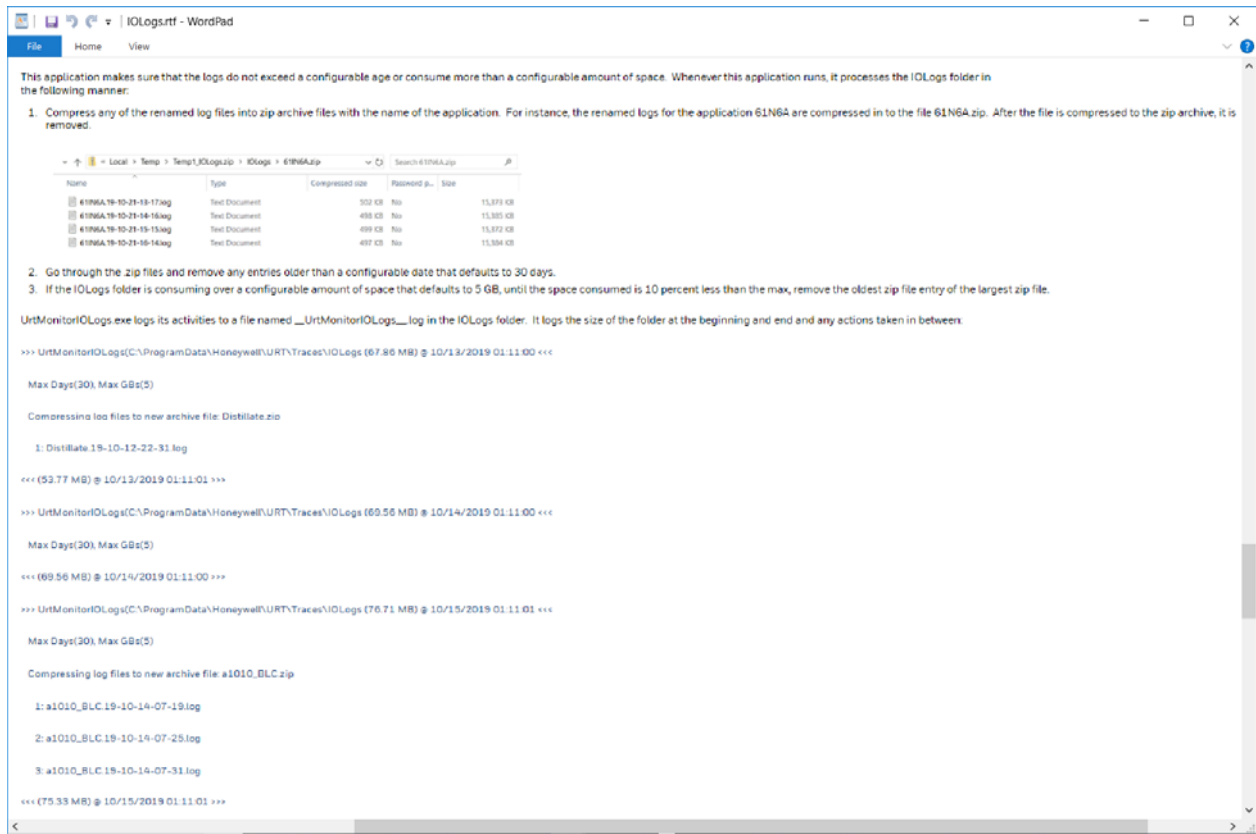
3. Configuration

The three main default settings of one month i.e. 30 days of logging, subject to a 5GB maximum disk space and 10MB per IO .log file should be sufficient for most Profit Suite servers, but if there are very many Profit Suite applications running very fast then these may need to be adjusted either via UrtExplorer, the preferred method, or via Registry Editor changes, and both methods are shown below:
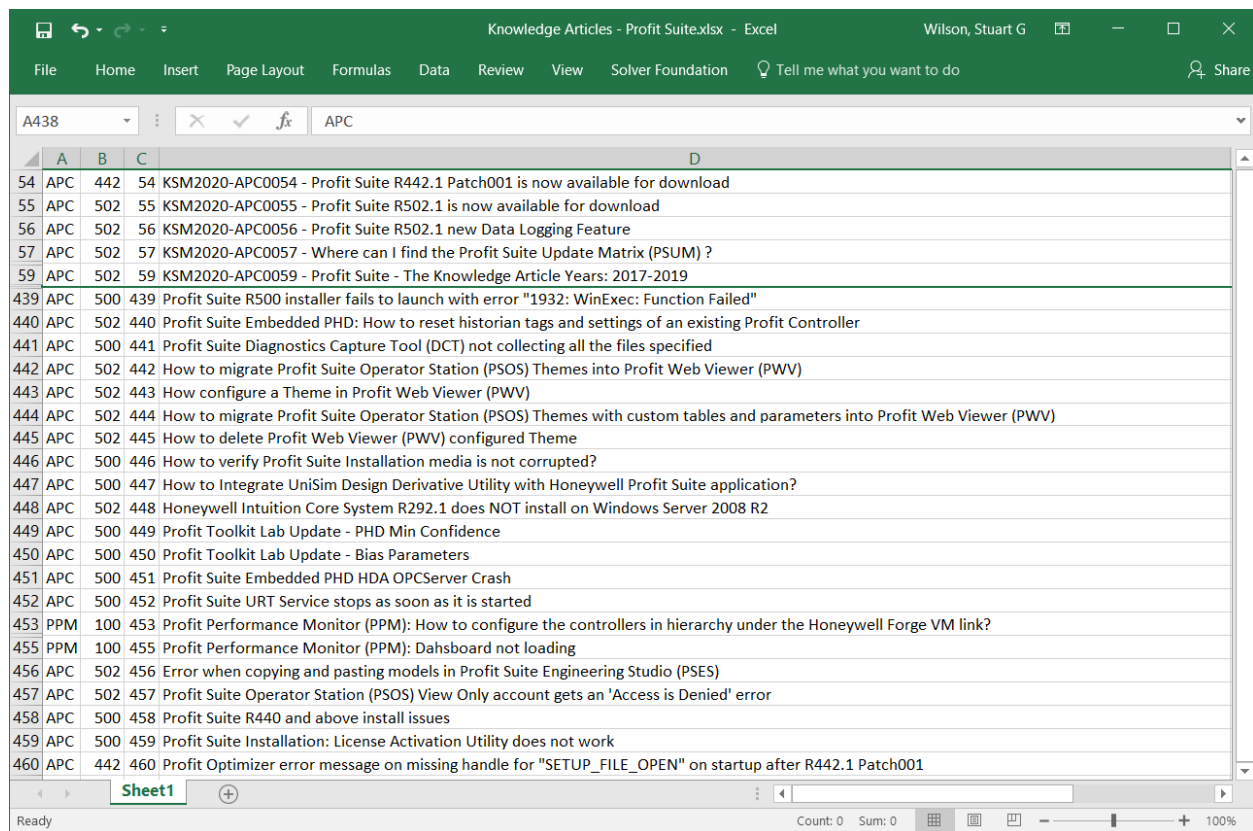
Field	Description
IOLogDataSaveDays	Save archived logs that are up to this many days old
IOLogFieldDelimiter	Separate log record columns with this character. Tab is the default.
IOLogFileSuffix	Use this suffix for the log files
IOLogging	Only perform IOLogging when this value is true. Only change if necessary
IOLoggingProfitController	Only perform ProfitController logging when this value is true
IOLogMaxDiskGBs	Restrict the total size of the IOLogs folder to this many GBs
IOLogMaxFileMBs	Restrict the size of each log file this many MBs

Profit Suite Knowledge Article Quarter: Summary of Articles – 1Q20 (including April)

Please refer to the August 2018 BG Newsletter for all the details regarding this Profit Suite Knowledge Article Quarter series and this quarter we publish the Summary of Articles for 1Q20 on the portal below:

Final note on KAs is the above table shows only the public published articles, however on rare occasions there is a need to share internal/confidential KAs within Honeywell and these are not published publicly, although they also have Article ID numbers, which might account for gaps and apparent missing article numbers.

For more information on Profit® Suite please contact your Honeywell account manager or email:

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apc.apptech@honeywell.com for North and South America regions;

apc.support.emea@honeywell.com for Europe, Middle East, Africa and Asia Pacific regions;

Control Performance Monitor

Control Performance Monitor (CPM) R602.5 is now available for download

CPM™ R602.5 builds on the JAVA free functionality and improvements which were introduced in R600.x, R601.x and R602.1 & R602.2 respectively. A summary of the new features in R602.5 over and above the functionality provided in the previous R60x.x releases is provided below. R602.5 also includes 40 new and all software fixes for all previous R60x.x releases. Please Note - that the apparent missing R602.3 and R602.4 were 'controlled' releases only supplied to certain customers, but these features are now provided in this general R602.5 release.

Finally, R602.5 can ONLY be installed over the top of either a R602.1 or R602.2 system, so older releases need to be brought up to this minimum level before upgrading to R602.5 and please don't forget to implement the post install steps detailed in the SCN.

Summary of the New Features in R602.5 (since R602.2)

Viewing DynAMo KPIs in CPM – DynAMo KPIs Event Count and Alarm Count can be viewed in CPM Web Reports. For details on how to configure DynAMo to work with CPM, refer to the section **Viewing DynAMo KPIs in CPM** in the **CPM Web Reports User Guide**.

Support for Generic APC Template – In this release Honeywell have enabled the user to configure and view Generic APC template for monitoring MPC Controllers. Detailed instructions on how to import Generic APC templates are defined in the **Importing Configuration Files** section in the **CPM Configurator User Guide**.

Support for Tabbed Browsing in Summary Report – CPM Web Report supports tabbed browsing. Tabbed browsing helps to view multiple pages of the Web Report in the same browser window. Users can use the tab browsing feature to open any logical level hierarchy or the detail report in a new tab. To open the report in a new tab press **Ctrl**, and then click the link.

Enhancements to Saved View – The User can now customize the way they want the reports to be displayed. The following options are possible:

- choose the KPIs that want to be viewed
- choose the Asset Type that want to be viewed
- sort the KPIs in ascending order, descending order, or by name
- choose a specific time and date
- define the order in which the KPIs are displayed along with other filter options

Once comfortable with the asset information the user can save these settings as views. For detailed information refer to the section **Working with Views** in **CPM Web Reports User Guide**.

R570 to R602.5 MPC Migration support – It is now possible to migrate the CPM R570.3.5 MPC and PID result data that is available in SQL to the CPM R602.5 system. For more information, refer to the **CPM Installation Guide** section, **Result Data Migration from CPM 570 to CPM**.

Support for Percent Desired mode KPI in CPM – A new KPI called the **Percent time in desired mode** is introduced in the CPM Web Report, which displays the time (in percent) the asset operated in its normal mode of operation.

Dynamic Cross-Correlation Feature Support in CPM – The Cross-Correlation element is used to determine if one process variable is related to another process variables. The Cross-Correlation function (CCF) is generated at different lags. In other words, the CCF provides information on how one process variable is related to other process variables at the current time (lag 0), one sample interval back (lag 1), two sample intervals back (lag 2), and so on. The Cross-Correlation report can be generated for process values [PV] of different loops across multiple units. Dynamic Cross-Correlation feature allows on demand generation of cross-correlation report from CPM web report. For more details, refer to the **Cross-Correlation** section in the **CPM Web Reports** document.

Disposition Support for all KPI's – Starting from this release the user can generate disposition reports for any Regulatory, MPC, or Instrument template result KPI. For more information, refer to the **Adding New KPIs to the Disposition List** section in the **CPM Web Reports** document.

Improvements for Back Data Analysis – CPM can now be configured to run analysis on past data. This is done primarily, if there are no analysis for a specific period of time, due to any one of the following reasons:

- - if there is a system failure (plant historian or CPM System)
- - if the communication between the DCS and the plant historian is unavailable
- - if the communication between the plant historian and the CPM system is unavailable.

For more information, refer to the **Configuring Back Data Analysis** in the **CPM Web Report User**

Guide.

Performance Rating Rule Changes – Enhancements have been made to the performance rating calculation. Refer to the **Performance Rating** section in the **Web Reports User Guide** for more details.
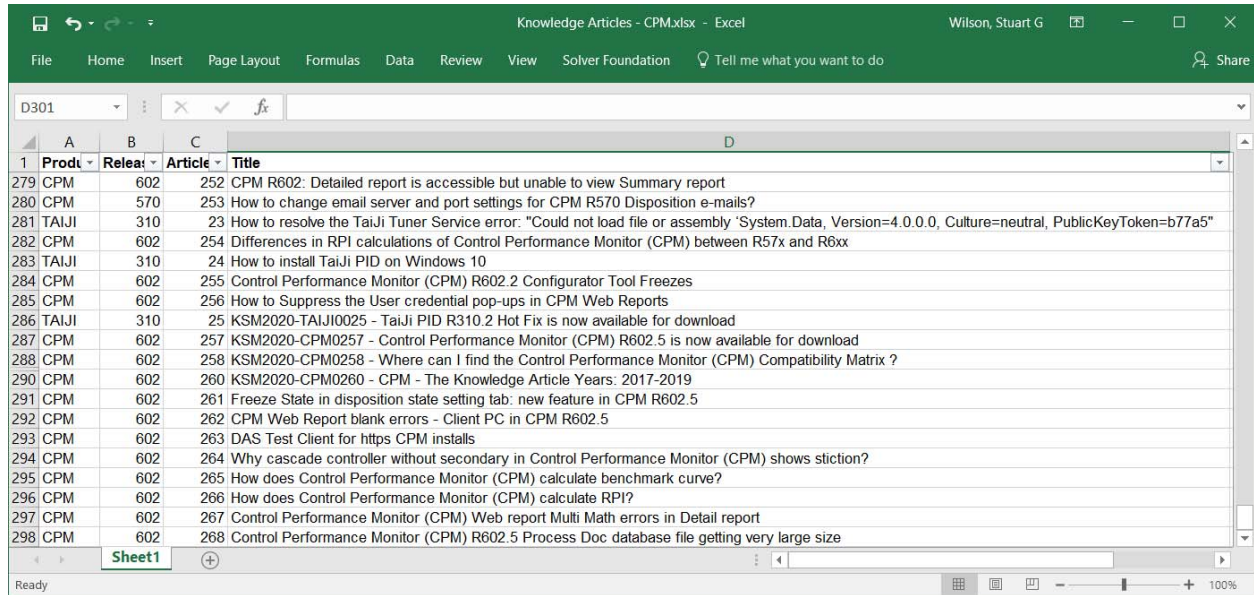
Rule changes for Tune/Fix/Investigate bucketing logic – Enhancements have been made to categorize loops under Tune, Fix, or Investigate categories. Refer to the **Viewing Summary Report** section in the **CPM Web Reports** document.

R602.5 & Documentation – the R602.5 Software Change Notice, Installation and Various Users Guides, as well as the CPM Compatibility Matrix and R602.5 itself, are available for download from the Honeywell Process Solutions Support Website (http://www.honeywellprocess.com).

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Control Performance Monitor (CPM) Knowledge Article Quarter: Summary of Articles – 1Q20 (including April)

Please refer to the September 2018 BG Newsletter for all the details regarding this CPM Knowledge Article Quarter series and this quarter we publish the Summary of Articles for 1Q20 to date on the portal below:

	A	B	C	D
1	Produ	Releas	Article	Title
279	CPM	602	252	CPM R602: Detailed report is accessible but unable to view Summary report
280	CPM	570	253	How to change email server and port settings for CPM R570 Disposition e-mails?
281	TAIJI	310	23	How to resolve the TaiJi Tuner Service error: "Could not load file or assembly 'System.Data, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5"
282	CPM	602	254	Differences in RPI calculations of Control Performance Monitor (CPM) between R57x and R6xx
283	TAIJI	310	24	How to install TaiJi PID on Windows 10
284	CPM	602	255	Control Performance Monitor (CPM) R602.2 Configurator Tool Freezes
285	CPM	602	256	How to Suppress the User credential pop-ups in CPM Web Reports
286	TAIJI	310	25	KSM2020-TAIJI0025 - TaiJi PID R310.2 Hot Fix is now available for download
287	CPM	602	257	KSM2020-CPM0257 - Control Performance Monitor (CPM) R602.5 is now available for download
288	CPM	602	258	KSM2020-CPM0258 - Where can I find the Control Performance Monitor (CPM) Compatibility Matrix ?
290	CPM	602	260	KSM2020-CPM0260 - CPM - The Knowledge Article Years: 2017-2019
291	CPM	602	261	Freeze State in disposition state setting tab: new feature in CPM R602.5
292	CPM	602	262	CPM Web Report blank errors - Client PC in CPM R602.5
293	CPM	602	263	DAS Test Client for https CPM installs
294	CPM	602	264	Why cascade controller without secondary in Control Performance Monitor (CPM) shows stiction?
295	CPM	602	265	How does Control Performance Monitor (CPM) calculate benchmark curve?
296	CPM	602	266	How does Control Performance Monitor (CPM) calculate RPI?
297	CPM	602	267	Control Performance Monitor (CPM) Web report Multi Math errors in Detail report
298	CPM	602	268	Control Performance Monitor (CPM) R602.5 Process Doc database file getting very large size

Final note on KAs is the above tables show only the public published articles, however on rare occasions there is a need to share internal/confidential KAs within Honeywell and these are not published publicly, although they also have Article ID numbers, which might account for gaps and apparent missing article numbers.

For more information on CPM™ or to place a software order, please contact your Honeywell account manager or email:

HPS Technical Support Contact Information:

cpm.support.emea@honeywell.com for all global queries.

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Current Product Releases

Advanced Applications:

DynAMo Alarm Suite R202

- Metrics & Reporting
- Documentation & Enforcement
- Alerts & Notifications
- Process Safety Analyzer

DynAMo Operations Suite R230

- Operations Management
- Operations Logbook
- Limit Repository

UniSim

- UniSim Design R461.1
- UniSim Competency R461

Profit Blending and Movement (PBM) Solution

Profit Blending and Movement (PBM) R500.1

- Blend Performance Monitor (BPM)
- Experion Blend Controller (EBC)
- Experion Tank Monitor (ETM)
- Profit Inventory Monitor (PIM)
- Profit Blend Controller (PBC)
- Profit Blend Optimizer (PBO)
- LIMS Viewer (LV)
- Profit Movement Management:
  - ➢ Movement Monitor (MM)
  - ➢ Movement Control (MC)

Energy Dashboard R241

- Integrated suite to calculate and monitor actual and target energy use. May include Operations Monitoring, Profit Sensor Pro, UniSim Design, and Workcenter.

Matrikon OPC

- Matrikon FLEX OPC UA SDK - R400.2
- Matrikon OPC UA Tunneller

Profit Suite

- Release R502

Uniformance

- Uniformance PHD 400
- Uniformance Process Studio R322
- Uniformance Asset Sentinel R511
- Uniformance Insight R110
- Uniformance Cloud Historian R100
- Uniformance Executive R310
- Uniformance KPI R121

Symphonite Supply Chain and Production Management

- Production Manager Release 9.0
- Production Accounting and Reconciliation R210
- OptiVision R541

Digital Suites for Oil and Gas

- DSOG R100 including Process Safety Suite, Production Surveillance Suite, Equipment Effectiveness Suite
- Production Surveillance Well Test R110

Control Performance Monitor

- CPM CX R110
- CPM Standard R602.5
- TaiJi PID R310

Honeywell Pulse

- Release R110

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OptiVision Help Desk	optihelpgroup@honeywell.com	+1-513-595-8944
Profit Suite Support	apc.apptech@honeywell.com	1-800-822-7673
Technical Assistance Centre (TAC) – Americas		1-800-822-7673
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UniSim Design Suite Support	UniSim.Support@honeywell.com	1-800-822-7673
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OptiVision Help Desk	p3its_oncall@honeywell.com	+ 358 20752 2300
Profit Blending and Movement (PBM) Solutions Support	bma.support.ap@honeywell.com	
UniSim Support	unisim.support@honeywell.com	
UniSim Competency Suite Support	hpscustomersupport@honeywell.com	

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India:		1-800 2335051
Indonesia:		0018-03-440-212
Malaysia:		1 800-812-674
New Zealand:		0800 855 663
Pacific (outside Australia and New Zealand):		+65 6787 1788
Philippines:		1-800-1441-0223
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Taiwan:		0800-666-051
Thailand:		0018-004-415-283

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Automation College	www.automationcollege.com	

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