# What's New in AssetWise Performance Management 7.19





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What's New in AssetWise Performance Management 7.19

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# What's New in APM 7.19

Some of the enhancements made to AssetWise Performance Management (APM) in release 7.19 pertain to APM when AssetWise Enterprise Interoperability (AWEIS) has been implemented to exchange data with an external CMMS. For example, you can now create requests for work from checksheets. In addition, you can take advantage of the Inspection **Analytics** tab to review information about indicator alarms, readings, inspection reports, marine growth, and platform cathodic protection.

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# **Asset Management**

The following enhancements are introduced this release.

### Asset Status - Choose Whether to Apply Status to Child Assets

When changing an asset's status, you can now choose whether or not to push the status change down the hierarchy to child assets. Set this up in the Change Asset Status dialog:

🕀 Change Asset Status	-	-		×
New status				
Current status:	Shutdown - Out of service			
New status:	😵 Working - In service	•		
Reason for status change:	(None)	•		
Status change effective date:	8/15/2022 - 4:22 PM	÷		
Apply new status to applicat	le descendants			
Rebuild Info				
Rebuild information				
This status changemarks	he beginning of a newlife for this asset			
Restart all counters for tri	ggering preventive maintenance jobs			
The manufacturer informa	ionfor this asset has changed as a result of this rebuil	d		
		_	6	-1
	OK		Cano	el

**Apply new status to applicable descendants** is selected by default. You can clear this option to prevent the change to child assets.

**Note:** The only exception is if the current asset is a component location with an installed component. The installed component always has its parent's status, and vice versa.

To change the default selection in the Change Asset Status dialog, clear the **Apply new status to descendants** option in asset statuses:

Search Status Properties -								
Identification	Details	Inventory Statuses	Options	Grouping	Description	History		
Asset stat	Accest status shange default							
Use the set	tings belo ew status	w to identify the defa	ult values i	when this st	tatus is the ne	ew status	for an asset status change	

**Note:** The option to not apply the status to descendants is generally available. You must first enable feature 106 to use the functionality in APM. In the Enterprise window, select the **Features** view and the **Enabled Features** tab. Click **Browse**, select "Provide an option to limit an asset status change to the current asset only" and click **OK**. If APM is running as a smart client, click **Refresh Enabled Features** on the server. Then restart the client to use the functionality.

For more information, see:

- "Changing an Asset's Status" in APM Help
- "Setting up Asset Statuses" in APM Help



# Asset Category and Class of Asset – New Asset Properties

Two new properties are now available in the Asset window, **Properties** view, **Details** tab: Asset category and Asset class. For example:

🗧 🔁 🗧	erties 🛛 🚠	Hierarchies	Strategy Deve	lopment 🛛 🔣	Risk Assessment
🗱 Ma	intainable A	sset: 6			
	Downt	ime and Produc	tion Loss		Default
General	Details	Address	Operating Window	Documents	Photos i
Asset det	ails				
Function g	roup:	(None	2)		<ul> <li>Installation or</li> </ul>
Asset cate	gory:	(None	2)		<ul> <li>Installed on:</li> </ul>
Asset class	5:	(None	2)		<ul> <li>Maintenance p</li> </ul>
Safety crit	ical equipment		~		Planning plant
Tech ID:					Material suppl
Work cent	er:	(None	2)		<ul> <li>Storage locati</li> </ul>
Supervisor	:	(None	2)		Route instruct
Gas standa	ard:	(None	:)		Route sort or
Maintained	i by:				Room:
					Registration n

Use these properties for anything your organization requires, for example, to identify Safety Critical Equipment. Set up values lists for the properties in asset settings.

# **AWEIS – Create Requests for Work from Checksheets**

When AWEIS is active, you can create one or more requests for work from an indicator checksheet in APM or APM Remote. In the Checksheet window, select the **Readings** view and the **Requests for Work** tab. Click **New** to open the Request for Work Properties window. For example:

😢 Request for Work Prop	perties					-		×
General Solution Package	Details References Events Failure Codes	Statuses Tasks Labor	Description	Characteristics	Notes			
Asset to work on								
Asset:	<u>5</u> 28170	🔍 Name:		Corrosion loop 2	MF ABC.			
Type:	- 3 Loop	Hierarchy loca	tion:	P12MF				
Request for work iden	tification							
Request number:	000675	Interop status	:	New / Pending				
Requester:	ane Smith							
Work identification								
Request solution par	:kage trigger			Mark req	uest as rea	ady to sen	nd	
Create work order								
Work title:								
Work type:	Corrective maintenance	Work classification:	🥠 M	Modification -			-	
Maintenance group:	🎁 B - Team	<ul> <li>Work priority:</li> </ul>	ا	/ery Low			-	1
Start after:	-	Start before:	6/3/2	2022	•	12:00 A	м 🗘	
End before:		End after:			•		\$	
Estimated cost:								
		OK	Sen	d for Approval	Е	dit	Cano	cel

Several properties are copied from the checksheet to the request, for example, the checksheet's route asset, the interop work document's asset, the checksheet's planned start and completion dates, and work document information from the checksheet's source solution package.

You can select one or more solution packages for the request for work. The request for work maintains a link to its source checksheet, and when the resulting interop work request or work order is created, it has a link to the checksheet.





Its checksheet status determines whether a request for work can be created for the current checksheet:

hecksheet status ident.	ification	
status:	Analysis in progress	
sequence:	5	
.con:	Change Icon	
Actions Events Rules		
Reading actions that c	an be performed	Checksheet actions
Indicators can added	or removed	Properties can be updated
Can be downloaded to	o mobile or remote	Request for work can be created
Readings can be expo	orted to Excel	Can be sent for approval
Readings can be ente	red	Inspection report can be created
Readings can be proc	essed on Enterprise	Inspection summary and report actions
Readings can be proc	essed on APM Remote	✓ Inspection notes can be updated
Readings are ready to	process	✓ Inspection summary can be updated
		Inspection documents can be undated
		Modification and repair inspection can be updated
		Inspection summary is complete

For more information, see "Creating a Request for Work from a Check-sheet" in APM Help.

# **Configuring the APM Environment**

This section explains changes to software requirements and configuration. For a full list of requirements, see *APM Installation Prerequisites*.

#### Windows 11

Microsoft<sup>®</sup> Windows 11 is now supported for smart clients. Windows 11 (x64) is supported for thick and remote clients.

#### Windows Server 2022

The APM application server has been certified on Windows Server 2022.

#### **Install NSIS for New APM Implementations**

As of this release, NSIS (Nullsoft Scriptable Install System) is no longer bundled with APM. The tool is required by the APM Smart Client, Thick Client, and Remote Client packagers to build the client installers. It is also used by the Environment Migration Wizard.

If you are upgrading to 7.19 from a previous release, your environment should already have the NSIS components. That is, uninstalling APM does not delete the components in the bin\NSIS folder.

After installing APM 7.19 (or later) on a computer where an earlier version of APM has not been installed, you can install NSIS from APM Configuration. Run APM Configuration as an administrator. In the **Installation** menu or list, click **Install NSIS**.

APN	1 Configu	ration (7.19.16.0) (x64)	—
Config	juration	Installation Licensing	
Select	t or Create	Uninstall Service	
Type:	Server	Migration Wizard	
Name	default		
	Tune	Create Shortcuts	vew instance (e.g. Production Development Training )
	Type	Install Service	lew instance (e.g. Froduction, Development, Training)
Config	ure Instan	👸 Install NSIS 🔓	
Mar	ndatory Set	ttings	
•	<b>2</b> ↓ ⊡	2	
~	APM Se	erver Manager	
	Allow Rer	mote synchronization Connections	False
	Allow Sma	art Client Connections	False
	Server Ma	anager Machine Address	
	Server Ma	lanager Port	80
~	Databas	se	
	Connectio	on String	ADM
	Database	a Llear	APM
	Database	e User a Llear's Password	Ivara
~	Deployn	nent	
	Deployme	ent Folder	
~	Director	ries	
	Cache Fil	les Path	C:\Program Files\Bentlev\AssetWise Performa
All Ind Ma	Deployme Director Cache Fil ow Remo icates if thi nager infor	ner Folder ries les Path ote synchronization Connection is server accepts remote synchronizal mation (address and port) and applic	C:\Prooram Files\Bentlev\AssetWise F s tion connections from the load balancing APM Server Mana ation server address must be specified if this value is set to T
			Configuration

When the installation is complete, the bin\NSIS folder is fully populated. NSIS will then be available to all packagers and the Environment Migration Wizard.



If your environment is missing NSIS, packager windows display a message with instructions.

#### **Environment Password and ODC Data**

ODC data sources and ODC pending request records are now encrypted with the environment password. This means that if you change or reset the password, the ODC connection strings for the ODC data sources and in the pending request records are re-encrypted.

You will need to visit each ODC data source and reset the connection string. Unfortunately, there is no way to do this for pending request records. Records that do not have the "Processed successfully" status cannot be processed and should be purged. If you do not purge the existing pending requests, the On-Premises agent will not be able to poll new readings.

See APM ODC Guide.

#### **Construction Management**

It is now possible to create a gas transaction from a construction form. Open the Construction Form window, select the **Activities** view and the **Gas Transaction** tab. Click **New** to open the Gas Transaction window.

In the Gas Transaction window, the transaction's asset is set to the construction form's asset, and the construction form's number is referenced in the **Details** tab, along with the site, creation date, and creating employee.

This functionality is also available in APM Remote.

For more information, see "Creating Gas Transactions" in Help.

# Data Loading - Asset Characteristics Data Loader

Two new properties have been added to this data loader:

- Unit of measure must be a valid UOM ID
- Quantity export option valid values are:
  - 5 or evNotApplicable
  - 10 or evNumberOnly
  - 15 or evNumberAndUnitofMeasure



# **Inspection Management**

The following enhancements have been made for this release.

#### **Inspection Analytics Tab in Site Window**

You can set up the new **Analytics** tab in the Site window, **Inspection Management** view to display a variety of information, ranging from alarms, readings, and inspection reports to marine growth and platform cathodic protection. You can also specify the time period (in days, weeks, months, or years) for the data.

For example, here is the **Analytics** tab with the full complement of subtabs:



The Alarms tab offers configurations for:

- Alarms by month and severity in the last *xx*.00 days/weeks/months/ years at the current site in a chart
- Alarms by month and severity in the last *xx*.00 days/weeks/months/ years at the current site in a table
- Alarms by severity and month in the last *xx*.00 days/weeks/months/ years at the current site in a table



• Summary of alarms in the last *xx*.00 days/weeks/months/years at the current site in a pie chart. Double-click a section to drill down to the indicators and readings that make up that section. For example:



The **Readings** tab provides a chart and tables that show indicator readings for a specified time period for the current site. Information is presented by time period and source or by source and time period. Sources can be:

- Desktop
- Mobile
- Remote
- 4D analytics
- Data loader
- Calculation
- Online data collection



The **Inspection Reports** tab provides charts showing inspection reports by time period and status for the current site. Select the **Summary** or **Summary by Asset** tab to view specific assets' reports. Click a report's icon to list reports for the asset and year. For example:

spection Reports Analytics		Implementation	Audit	Utilities	On Premise	e ODC	Setti
ns Readings Insp	ection Reports Marine	Growth Cathodic Pr	otection				
spection Reports Su	ummary Summary by A	asset					
Inspection reports	by asset and year for s	site 🗸 Configurat	tion 🔻	Search Inspection re	eports by asset a	nd year for si	te 🔍
			2022		2	1020	
Asset and Asset Nam	e		Rep	ort Type		Report 1	ype
28170 Corrosion loo	p 2MF ABC.		Gene	eral inspection report	t www.	General ir	nspection
28171 New 28170 chi	ld 28171 (operating pa	rameter charts)	V				
C							
his site only	✓ Items: 2						
	Select a cell's icon	on the report to s	ee a list o	of reports for the	asset and year	r	
	Inspection rep	oorts from 2022 f	or 2817	0 - Corrosion lo	op 2MF ABC.		
Inspection reports	from 2022 for asset 28	17( 🗸 🛛 Configura	tion 🔻	Search Inspection re	eports from 2022	for asset 281	171 🔍
Report		Title		Report Ty	pe	Z <sub>1</sub>	Report
000016		test IR type filter		General ins	pection report		
000000				0 II			

For more information, see "Working with the Indicator Analytics Tab" in APM Help.



To select the data to show and the time profile, select the **Inspection Management** view, **Settings** tab, **Indicators** tab, and then the **Analytics** tab. Click **New** to open the Inspection Analytics Settings dialog:

Description History	
nspection analysis settings identification	1
ite: 🚱 Burlingto	n Ontario Canada
ettings name:	
Change Icon	
etails Marine Growth Platform Cathodic Pro	tection
Options	
Use the settings below to identify the inspecti	on analytics information displayed
Alarms analytics	Readings analytics
Checksheet analytics	Inspection report analytics
Marine growth analytics	Platform cathodic protection analytics
Reporting horizons	
The reporting horizons are used on standard of horizon of 15 months is entered, the configura	configurations and charts to filter the activities listed. For example if a ations will show readings that have occurred in the last 15 months.
Alarms, readings and checksheets:	(None) ~
Inspection reports:	[(None) ~

You can name the settings, select the appropriate tabs to be displayed, and set the reporting horizons. After saving the settings, enable editing for the site, and select the new settings in the **Analytics settings to use** list:



Click **Save**. The **Analytics** tab in the **Inspection Management** view now displays the data.



### **Marine Growth Analytics Chart**

You can use the new "Dashboard - Indicator Analytics Marine Growth" site panel in the **Analytics** tab and other dashboards to display a point style chart of measurement point readings with the marine growth sub-type. Depth and Hard Cover are the chart co-ordinates.

Click a point in the chart to view readings with those values. For example:



You can also set up a boundary line to highlight readings outside of normal points. Define the chart line in the **Charts** tab and add it in the Inspection Analytics Settings dialog, **Marine Growth** tab:

💫 Inspection Analytics Setting	_	$\times$	
General Description History			
Inspection analysis setting	sidentification		
Site:	🚱 Burlington Ontario Canada		
Settings name:	Standard settings		
Change Icon			
Details Marine Growth Platfi	orm Cathodic Protection		
Marine growth analysis s	ettings		
Hard cover boundary:	Marine growth boundaries		

For more information, see "Setting up Chart Target Lines" in Help.



## **Cathodic Protection Analytics Chart**

You can use the new "Dashboard - Indicator Analytics Platform Cathodic Protection" site panel in the **Analytics** tab and other dashboards to display point style charts of measurement point readings with the platform cathodic protection subtype. One chart shows the maximum reading and the other the minimum reading. Depth and Reading are the chart coordinates.

Click a point in the chart to view readings with those values. Here's an example of the minimum reading:



You can also set up boundary lines to highlight readings outside of normal points. Define the chart lines in the **Charts** tab and add them in the Inspection Analytics Settings dialog, **Platform Cathodic Protection** tab:

📣 Inspec	Inspection Analytics Settings Properties							$\times$
General	Description Hist	tory						
Inspec	tion analysis se	ettings id	entification					
Site:			🚱 Burlington Ontari	io Canada				
Settings	name:		Standard settings					
-	Change Icon							
Details	Marine Growth	Platform	Cathodic Protection					
Platf	orm cathodic p	rotection	analysis settings					
Minim	um value chart lin	e:	platform catho	dic protection minimum				
Maxin	num value chart li	ne:	📄 Platform catho	dic protection maximum				

For more information, see "Setting up Chart Target Lines" in Help.

# Survey Types – Platform, Fabric, and Subsea Inspections

Survey types and readings have been expanded beyond subsea inspections to support platform and fabric inspections. The following properties have been added to survey types for each of the inspection types.

Subsea inspection:

- Survey method
- Visibility
- Current speed

Fabric inspection:

- Block
- Level
- Deck
- Platform
- Inspection date
- Reference
- Item number



Platform inspections:

- Clock position
- Clock position start
- Clock position end
- Distance to end 1
- Reference 1
- Distance to end 2
- Reference 2

The Indicator Type window now provides units of measure for area and speed to support the new properties. In the Indicator Type window, you will find them in the **Surveys** tab.



## **Checksheet Subtypes – Ultrasonic and Radiography Calibration**

The Ultrasonic Calibration and Radiography Calibration checksheet subtypes introduced in a previous release have been enhanced. When a subtype is assigned to a checksheet type, checksheets of that type have the option of displaying a **Calibration** tab in the **Properties** view. Now, inservice inspection and weld inspection versions are available in both subtypes. For example, here is the **Radiography Calibration** tab when both versions are enabled:

eneral Details Radiography Calibrat	ion Source Processing Status				
	Source Processing Status				
Receipt / test date:		▼ 1550	e Re	VISION	
Procedure number:					
Technique number:					
Work instructions:					
Acceptance standard:					
Inspections performed: 🗹 In s	ervice inspection	✓ Weldsinspection			
Details Test Parameters					
Calibration details					
Material and dimensions:					
Surface condition:					
X-ray type:		Object to fi	m distance:		
Focal size:	(None)	Source to o	oject distance:		
Source type strength:		Source type	dimension:		
Film / IP/ Detector type size:		Number of r	adio graphs / exposure	es:	
Image quality indicator type:		Image quali	ty indicator density:		
Sensitivity:		Number of f	ilm in cassette:		
Comparator size:		Exposure ti	ne:		
	Wall Exposure	_		Wall V	iewing
Single: V Dout	vle: V Tangential:	∽ Sir	gle: ~	Double:	~
Test comments, restrictions an	dissues				



# Checksheet Subtypes – DPI, ECI, MPI

This release introduces three new checksheet subtypes:

- Dye Penetrant Inspection
- Eddy Current Inspection
- Magnetic Particle Inspection

When a subtype is assigned to a checksheet type, checksheets of that type have the option of displaying an **Inspection** tab in the **Properties** view. Here is an example of the **Dye Penetrant Inspection** tab:

General Details Eddy Curren	t Inspection Dye Pene	trant Inspection	Magnetic Partic	le Inspection	Source Pro	ocessing Status	
Dye penetrant inspection	test details						
Receipt / test date:			•	Issu	ue	Revision	
Procedure number:							
Technique number:							
Work instructions:							
Acceptance standard:							
Calibration details							
Penetrant:				Soak time:			(None)
Developer:				Developer tim	ne:		(None)
Cleaner and emulsifier:							
Light source - natural:		$\sim$		Light source ·	- artificial:		~
Lighting equipment:				Light meter:			
Document any test restri	ctions and issues acc	essing the defi	ned workspac	e			
				1			

# **Measurement Point Reading – Reference to Previous Reading**

When a measurement point reading is processed, its previous reading is now recorded on the current reading. In the Measurement Point window, select the **Previous Reading** tab to view the reading:

🔊 Measurer	ment Point	_		
Attachme Reading	tachments Survey and Subtype Description Images His ding Notes Platform Cathodic Protection Previous Reading F			
Measure	point previ	ious reading		
🔊 - Norm	nal - 06/21/2	2022 14:47		

The **Previous Reading** tab is only displayed when a previous reading exists.

#### **APM Remote and Descriptive Measurement Points**

The implementation of descriptive measurement points in APM Remote has been completed. The appropriate tabs and configurations have been added for descriptive measurement points.

#### **Change Meter Supported in APM Remote**

It is now possible to reset a cumulative indicator's meter in APM Remote. When the action is performed, a reading is created and uploaded to APM.



## **Inspection Reports – Financial Periods**

Inspection reports now display the financial periods in which they were created and closed. In the Inspection Report window, select the **Properties** view and the **Details** tab. For example:

Inspection report: 000032	- Benzene Tank inspection report	_	
Inspection report Edit	/iew Tools Options Help		
🗄 🚺 🛃 Edit 🔚 Save 祝	🞦 🏘   🎾 📘   💑 🏠 🛅   📩 📪   🥹 🚺 🌔	:	
🗧 Properties 📄 Insp	ection Report 🛛 🍇 Failures and Anomalies 📃 Notes	🕀 History	
Inspection repo Asset: 0-104-00 - E	rt: 000032 - Benzene Tank inspection rep Bui Benzene Tank Systems - Unapproved	rlington Ontario Status: C	Canada omplete
General Details Description			
Financial periods			
Month created:	Mugust 2022		
Quarter created:	👩 Q3 2022		
Year created:	2022		
Month closed:	August 2022		
Quarter closed:	👩 Q3 2022		
Year closed:	2022		

The "closed" periods are set when the report's status sets it to "Complete" or when the completion date is set manually.



# **Inventory Management**

The following enhancements have been made to inventory management.

#### **Update Storage Locations on Count Sheet**

When entering inventory counts in an APM count sheet, you can now also update the primary and secondary storage locations for the resource. In the Count Sheet Line dialog, select **Update storage locations** and enter a location in the **Primary** box, **Secondary** box, or both. For example:

Resource being co	ounted		
Resource:	a 37		
Description:	Hook Pin Lock -3"		
Inventory group:	Site 1 Main Stores, Regular inventory		
Storage location –			
Primary:	H - 1		
Secondary:	H - 2		
Secondary: Updatestorage Primary:	H - 2		
Secondary: Updatestorage Primary: Secondary:	H - 2 locations H - 1  H - 2		
Secondary: Updatestorage Primary: Secondary: Count	H - 2 locations H - 1 H - 2		
Secondary: Updatestorage Primary: Secondary: Count Quantity counted:	H - 2 locations H - 1 H - 2 set		
Secondary: Update storage Primary: Secondary: Count Quantity counted:	H - 2 locations H - 1  H - 2 set		

When the count sheet is processed, the warehouse items are updated accordingly.

**Tip:** You can also update storage locations in the Inventory Adjustment dialog.

**Note:** The update storage location functionality is generally available. You must first enable feature 105 to use the functionality in APM. In the Enterprise window, select the **Features** view and the **Enabled Features** tab. Click **Browse**, select "Support the ability to update a warehouse item's storage locations when



counting the item" and click **OK**. If APM is running as a smart client, click **Refresh Enabled Features** on the server. Then restart the client to use the functionality.

### Warehouse – Storage Location Formatting

You can now define formatting rules for the names of warehouse storage locations. In the warehouse Properties dialog, select the **Storage Locations Formatting** tab to set up a mask:

	D 1 1	Storage Lou	ations Formattin								
General	Details	Storage Loo	auons Formatun	g Inver	ntory Groups	5					
Stora	ge locatio	ons format	ting								
You ca the fol contair	n set up a lowing spe 1.	mask that o cial interpre	lefines the forma ted masking char	t for the acters in	warehouse's addition to a	s storage any non-i	locations . nterpreted o	To creat characte	e a mask, i rs the form	use any of nat should	
"0"	Digit, rec	quired									
"9"	Digit or space, optional										
"#"	Digit or s	pace, optio	nal. If position is	left blan	k, is displaye	ed as a sp	ace				
"L"	Letter, re	equired									
"?"	Letter, o	ptional									
"A"	Alphanur	meric, optio	nal								
"<"	Converts	s all charact	ers that follow to	lower ca	se						
">"	Converts	s all charact	ers that follow to	upper ca	ase						
	All non-m	nask elemen	ts appear as the	mselves							
Storag	e location	mask:	<u> </u>								
											-

For example, a mask value of

#### >LL-000-A

would accept the following primary location on a new warehouse item:

A Warehouse item: Main Stores - 23						
Warehouse item Edit View Tools Opt	ions Help					
🔁 🔀 Edit 🔚 Save 🔞 🎦 🖒 🏘 🖄	👗 🛅 🛗 😓 🌄   🥑 🕕 🕴 Open: Asset					
Transactions 📵 Bal	ances 🖹 Purchase Orders 🛛 🕀 History					
Resource: 23 - Nuto 220 Gear Warehouse: Main Stores	Oil					
General Replenishment Description						
Stocking information						
Warehouse: 🕌 Main Store	S					
Resource: Resource:						
Description: Nuto 220 Gear	Oil					
Unit of measure: liter						
Storage information						
Primary location: AA-123-9						
Secondary location:						
Pick sequence:						
Pick method: (None)	•					
Pack size:						
Count group: (None)	•					

The mask also applies to the secondary location. It is also used to format storage locations on warehouse items in table configurations, reports, and count sheets.

**Note:** Existing warehouse items are not automatically updated to use a new mask. After upgrading to version 7.19, you can update items manually.

For related information, see "Setting up Warehouses", "Adding an Item to a Warehouse", "Entering and Processing Inventory Count Results", and "Adjusting Inventory" in Help.

# **Online Data Collection (ODC)**

When you are creating an ODC Data Source (both regular and On-Premises data sources), the **Identifier** string is encrypted and displayed as hashed. For example:

Identifier:	{"Version": 1, "Value": "7m3tWid5KvRO23Fe/kHx+k2	Browse	

This string is displayed in the ODC Data Source dialog and on the **ODC** tab of the indicator.

When you are upgrading to APM 7.19, we strongly recommend that you review and edit all existing data sources (regular and On-Premises) to take advantage of the updated security. Open the ODC Data Source dialog for each data source, click **Browse** next to the **Identifier** box, check the connection, and click **OK**.

After upgrading, you will need to restart the APM and On-Premises services.

You might also wish to delete old On-Premises ODC pending request records that predate these changes.

See APM ODC Guide.



# **Regulated Gas Management**

The following two enhancements are introduced in version 7.19

#### **Mark Transaction as Incorrect**

It is now possible to mark the most recent transaction for a gas container as incorrect. This allows you to create a replacement transaction. Note that if an indicator reading was generated from the transaction, you must deal with the reading and any alarm manually.

To mark a transaction as incorrect, locate the transaction in a table, for example, transactions By Container. Right-click the transaction and click **Mark as Incorrect**. (The option is only available for the container's most recent transaction.) The Mark Gas Transaction as Incorrect dialog appears:

, Mark Gas Transaction a	- 🗆 X					
Mark gas transaction as incorrect						
Transaction number:	💑 94 - Adjustment	•				
Reason incorrect:	(None)	•				
Comments:		^				
		×				
		OK Cancel				

Select a reason from the list, enter your comments, and click OK.

Once the transaction is marked incorrect, you cannot change any of its properties. It is displayed as scored through in tables. In the Gas Transaction window, select the **Incorrect Transaction Info** tab to view the reason, comment, and so on.

You can set up reasons for marking transactions as incorrect. In the Site window, select the **Regulated Gas Management** view and the **Settings** tab. Select the **Incorrect Transaction Reasons** tab and click **New**.



📣 Incorrect Gas Transaction Reason Properties	_		×
General Description History			
Reason for incorrect gas transaction identification			
Site: 🚱 Burlington Ontario Canada			
Reason incorrect:			
Change Icon			
OK	Edit	Car	ncel

Enter the reason and click **OK**.

See "Marking a Gas Transaction as Incorrect" in APM Help.



# **Change Gas Container Maximum Weight**

You can now change the tare weight, maximum weight, or both in containers for which transactions have been entered. The gas weight will be recalculated on all of the container's transactions in chronological order.

In the Gas Container window, the **Change Tare Weight** button has been renamed **Change Weights**:

Properties	Transactions 🛛 🕀 History	
Container: Type: Cylinde	D100 r D100GasType: SF6	Cor Ga
General Description		
Gas container ident	ification	
Site:	🚱 Corporate Site	•
Container number:	D100	
Gas type:	\$ <b>≹</b> \$ \$F6	
Container type:	🔶 Cylinder 🗸 🗸	
Gas vendor:	1 C1 ·	Canadian Gas
Tare weight:	100.000 pounds	
Maximum weight:	250.000 pounds Char	nge Weights
Most recent transac	tion	
Transaction:	current weight - 255	





The Change Container Weights dialog provides text boxes for changing tare and maximum weight:

, Change Container Weight	ts			-		×
Container identification an	id new tare weight					
Site:	🚱 Burlington Ontario Canada					
Gas container:						
Most recent transaction						
Type:	🔆 Current weight					
Weight as measured:	280.000 pounds					
Performed on:	8/24/2022 - 10:1	9 AM 🌐				
Performed by:	ane Smith					
The container's weights will be	updated to the new values. All existing transact	tions will be updated to refle	ct the new tare	weight		
Tare weight:	150.000 pounds	Current:	150.000 p	ounds		
Maximum weight:	300.000 pounds	Current:	300.000 p	ounds		
Reason for change						
	Arial	▼ 10 ▼	<u>A</u> • ½	• 8	B I	-
						-
						-
				ОК	Ca	ncel

See "Changing a Gas Container's Weights" in APM Help.

# **Performance and Stability Enhancements**

This release includes enhancements that improve download performance to mobile devices.

# **Strategy Development Analysis – Comments**

The site's **Strategy Development** view now provides **Comments** tabs that compile the comments for all types of analyses. For example, on the **Strategy Development** tab, the **Comments** tab shows comments that were added to CPR, MTA2, RBI, RCM2, HAZOP, and SIF analyses.

* 🗳	Assets	rategy l	Deve	lopment	Inspection Management				In Fluid Condition			🚯 Asset Health			
Burlington Ontario Canada - Strategy Development Jane Smith															
Strate	Strategy Development Prioritiza				ation Reliability Strate		RCA	Studies	Change	Sets	Summary	Projects	KPIs	Settings	
	Critical Parts Action				Plans Failure Mod			Risk Matrix		Risk Assessment		ent	Unwanted Situation		
	Barriers				Failure Mode History				Action Pla	an His	History		Copy Requests		
N	MTA2 RCM2				CPR RBI			ZOP SIF			Comments Da		mage Mechanisms Libr		
Configuration    Search Analysis comments (Ctrl+F)    C															
	Analysis $\nabla_1$			Analysis Title						An	Analysis Type		Cor	Comment	
REN	002344			Loop: Corrosion loop 2MF ABC RCM2						RCM	RCM2		FM o	FM comment	
HTR	002314			Loop: Corrosion loop 2MF ABC MTA2 (weighted severity)						MTA	MTA2			new comment	
RCH	002190		Vehicle: Vehicles FLeet - RCM2						RCM	RCM2			test		

Select the **Prioritization**, **Reliability Strategy**, or **RCA** tab and then the **Comments** tab to view comments added to these types of analysis.