

Symphonite™ Integration Analytics

R201.2

Release Letter

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1 Introduction

1.1 About Symphonite Integration Analytics (SIA)

Honeywell's Symphonite portfolio of software and services provides an end-to-end solution for supply chain and production management (SCPM) processes. From corporate-level commercial optimization to post-execution reconciliation and analysis, it offers comprehensive, scalable answers to the challenges faced by the industrial users. Built on deep domain knowledge, these tools help users make better business decisions and drive continuous improvement, thereby helping them achieve supply chain and production management excellence.

1.1.1 Release Information

This update includes new features and solutions to the problems reported against the following general release:

- Symphonite Integration Analytics **R200.1** (May 2017)

This cumulative update also contains the updates delivered as part of the following previous releases:

- Symphonite Integration Analytics **R200.2** (Apr 2018)
- Symphonite Integration Analytics **R201.1** (Sep 2019)
- Symphonite Integration Analytics **R201.2** (Jan 2020)

1.2 About this Document

This document provides information about the SIA R201.2 release. It includes information about the new features introduced, issues fixed, known issues, and procedure to install the new release on the systems with Maintenance Release (SIA R201.1).

This document is intended for Honeywell Project Engineers and System Administrators who will set up and maintain the systems of SIA. For more details on the features added in this release, refer to the [Release Overview](#) section.

1.3 Technical Assistance

To learn more about Symphonite Integration Analytics R201.2, contact your Honeywell Account Manager.

1.3.1 World Wide Web

The following Honeywell web sites may be of interest to Process Solutions customers.

Honeywell Organization	WWW Address (URL)
Corporate	http://www.honeywell.com
Process Solutions	http://www.honeywellprocess.com
Uniformance Suite	http://www.uniformance.com

1.3.2 Support and other contacts

For contact information for Honeywell Customer Support offices, visit <http://www.honeywellprocess.com/en-US/contact-us/>.

2 Content of release

This release is available through the Media. It contains the folder **SIA R201.2**.

3 Documentation updates / Additional Information

The documents are updated and uploaded in the HPS Vault. It is recommended to download the latest documents.

4 Release Overview

SIA R201.2 is a standalone release also it contains cumulative updates of the previous releases, so it can be applied on the systems with Maintenance Release (SIA R201.1).

4.1 New Features

Following are the features added in the current release:

Feature	Description	For More Details
Integration of Shipping Systems with SIA	<p>Shipping is the key activity of the Supply Chain and Production Management (SCPM). It ensures transportation of the products as shipments on different target timeline as per the sales contracts. These shipments are also planned ahead for a timeline and planned shipments will be tracked against the actual shipments like any other SCPM activities.</p> <p>External Source System like Traders and Schedulers Workbench (TSW) is used for planning the shipments, whereas the actual shipping activities carried out by another external source system like Jetty Management Systems (JMS). The users or other external applications, if needs to monitor and track the Shipment plan vs. actual activities they need to use these two different external source systems (outside the SIA), which might be tedious.</p> <p>This release enables integration of both external source systems used for shipping activities with SIA. As a result, these external systems publish the shipment transactions to SIA. These transactions get stored within SIA data store and SIA provides services to expose these shipment transactions from the common data store. This avoids the users or external applications to access data from two different external systems.</p>	Refer to the SIA User Guide and SIA Configuration Guide for more information.

Feature	Description	For More Details
Terminal Status Report	<p>The terminals play important role in shipment activity. They are also like any other process units, will undergo maintenance for different timeline. As a result, the availability status of terminals will be dynamically change over a time like Operational, In-operational Total, In-Operational Partial. It becomes essential to consider the terminal status while taking up the shipping activities from the terminals. The external shipment systems will be publishing the terminal status through transactions. In this release SIA can be integrated with external systems which manage the shipment activities. SIA can store and translate these terminal status transaction cases in terms of the unified model.</p> <p>These translated terminal status cases can be used in SIA for generating the Terminal Status Report for selected period for the required port/terminals. Also, these report templates can be saved and used in writeback configuration for automatic report generation such that these terminal status report data can be exposed by SIA services for enabling external applications.</p>	Refer to the SIA User Guide and SIA Configuration Guide for more information.
Laboratory Information Management System (LIMS) Integration with SIA	<p>Laboratory Information Management System (LIMS) is another source system whose goal is to enable the efficient management of laboratory test data for meeting the quality goals of SCPM. Since the LIMS data will be utilized in initiating the downstream data analysis in SCPM, it becomes essential to integrate the LIMS with SIA. In the earlier release of SIA, LIMS was integrated via Process Data Historian with SIA. This release R201.2 enable direct integration of LIMS with SIA.</p> <p>This enable LIMS to publish the transactions on laboratory test data to SIA, these transactions get stored within SIA data store. These LIMS transactions can be translated and used within SIA for metrics and reporting purpose or SIA also provides services to expose these LIMS transactions from the common data store.</p>	Refer to the SIA User Guide and SIA Configuration Guide for more information.

4.2 Existing Functionality Improvements

This release contains the following improvements to existing functionality:

Feature	Description	For More Details
Supporting the attributes of non-numeric data type in case transactions	<p>All the source systems will be publishing their transactions with values for numeric type of attributes (example: sales quantity, shipment quantity). The source systems used in shipping transactions will be publishing the attributes of non-numeric data types, namely: Text(example: vessel names), Date Time (example: arrival date, sailed date) and Enumerated type (example: BOL needed, ship status like arrived, sailed). To enable integration of these source systems, in this release, source system attributes can be defined along with any of the above data types. This enables the SIA to store transactions from source system with non-numeric attributes.</p>	Refer to the SIA User Guide and SIA Configuration Guide for more information.
Enhancements to Writeback	<p>In earlier release of SIA, through the writeback feature time view reports enabled for automatic generation at a configured writeback frequency (like daily, weekly, monthly etc.). In this release following enhancements are provided for existing writeback feature of SIA:</p> <ol style="list-style-type: none"> 1. Automatic report generation for case view reports. 2. Also regeneration of the time view or case view reports, whenever a new or modified case gets translated. <p>Thus by enabling the usage of the time view as well as case view report writeback data to the external applications (like dashboard, KPI etc.) via SIA service.</p>	Refer to the SIA User Guide and SIA Configuration Guide for more information.
Case sensitivity support for Source and Symphony model item names	<p>From this release, the Source Model Items name and the Symphonite Model Items name are case sensitive. That is, the same model item name created using upper case or lower case or combination of upper and lower case alphabets are treated as different model items.</p> <p>For example: if you try to publish the model item name for Crude Distillation Unit as CDU, cdu, Cdu, cDu, and cdU, all of them are treated as unique item names. On successful publishing, SIA creates totally five different model items. From SIA Case Configuration client, transactions can be published</p>	Refer to the SIA Configuration Guide for more information.

Feature	Description	For More Details
	against all these unique item names and cases can be translated. Next in SIA View Report client, these items appear as unique items in filter selection, on selecting them, even metrics for each of these unique model items gets calculated and presented separately.	

5 Software and hardware compatibility

In this SIA release, there are changes in the software and hardware compatibility. For more details refer Symphonite IA R201.2 Installation Guide also on software and hardware compatibility matrix, refer <https://www.honeywellprocess.com/en-US/support/Pages/CompatibilityMatrix.aspx?Type=AS>.

6 Problems resolved

This section provides an overview of the problems resolved in this release.

S.No	Description of Known Issues	ID(s)
1	Preconfigured Date Period is not getting listed in the SIA Web Reports.	1-AV85NNL
3	Intuition Reporting Components specified in the installation manual are not available on the media.	1-AJTMJGW
4	Not able to save more than Two Source system in Report filter criteria and due to that the reports with more than Two Source system are not getting generated from Saved report template.	RSYM-1521
5	SIA DAS Plug-In test connection fails so unable to query and fetch the data using the service. Web Reports do not work.	RSYM-1519
6	If metric headers are defined with round brackets “()”, they are not allowed to be configured under the <i>Show Data</i> column of the <i>Template_Sheet_Style</i> sheet of the template for functional input collection.	RSYM-1046
7	Viewing a published report from Web reports does not show the collaboration comments entered from SIA View Report client.	RSYM-917

7 Installation

7.1 Prerequisites only for migration scenarios

In case if you like to migrate system with SIA R200 to SIA R201.2, it must be first migrated to SIA R201.1. Refer SIA R201.2 Installation Guide for the detailed steps.

7.2 Installing SIA R201.2

SIA R201.2 comes in a new installation media along with Installation Guide. Refer SIA R201.2 Installation Guide to Install SIA.

7.3 Post installation steps

7.3.1 Update model mapper dll

Perform the following steps to update the model mapper service dll in the app and web servers:

1. Navigate to the **Media\Software\PostInstall\ModelMappersvc** folder and copy **Honeywell.MES.Service.ModelMapper.ModelMapperSvc.dll**.
2. Navigate to App server and paste the copied file in the following location: **<Install Location>\Honeywell\MES\ModelMapper\Service\ModelMapperSvc\1.0\bin**.
3. Navigate to Web server and paste the copied file in the following location: **<Install Location>\Honeywell\MES\ModelMapper\Service\ModelMapperSvc\WSDL1.0\bin**.

7.3.2 Update online help files

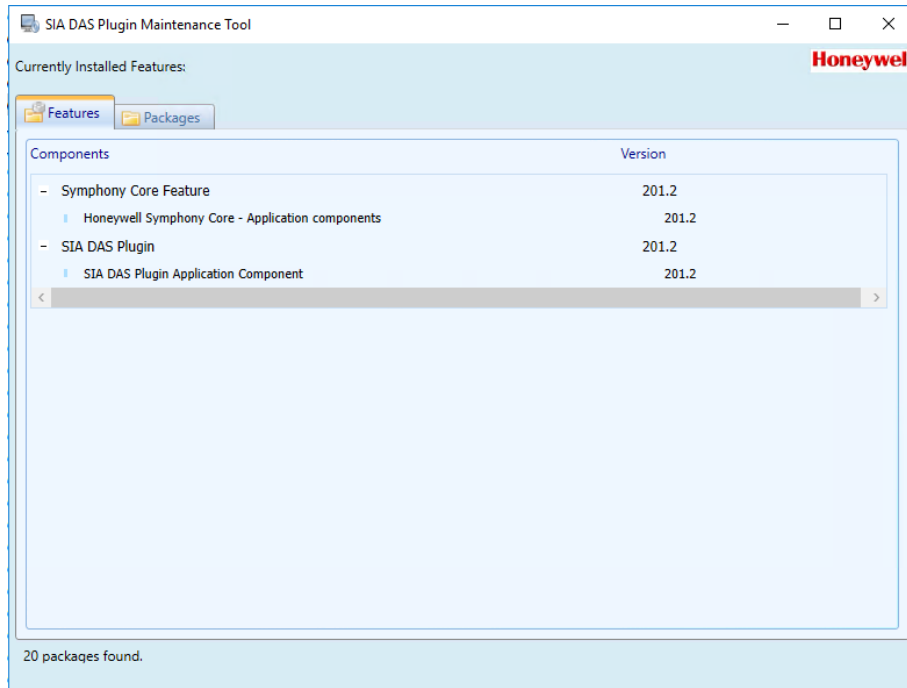
Perform the following steps to update the online help files in Web server:

1. Perform IISRESET.
2. Navigate to **Media\Documents\OnlineHelp** and copy the SIA folder.
3. Paste the copied folder to the **<Install Location>\Honeywell\Help\en-US** folder.
4. Perform IISRESET.

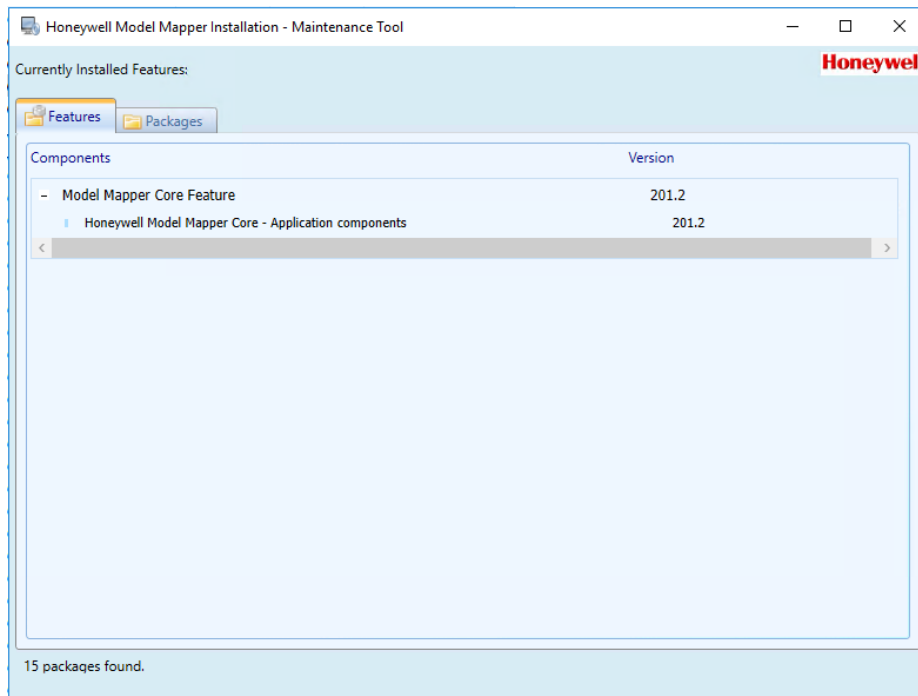
7.4 Validating the correctness of installation

1. Application Server:

1. Open **Control Panel > Add-Remove Programs** screen and double click on **Honeywell Symphony** and verify the below versions:

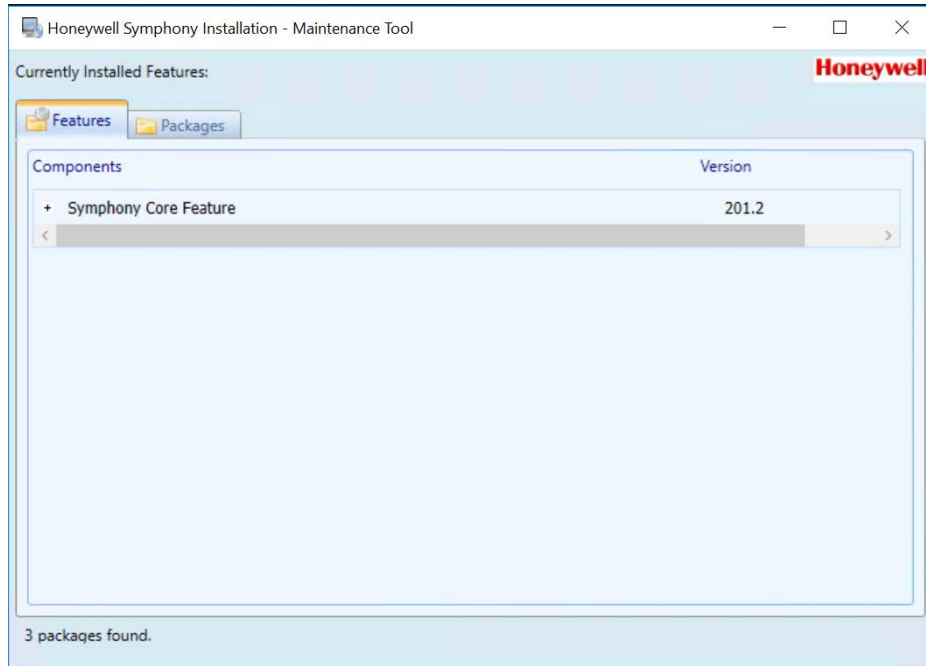


2. Open **Control Panel > Add-Remove Programs** screen and double click on **Honeywell Model Mapper** and verify the below versions:

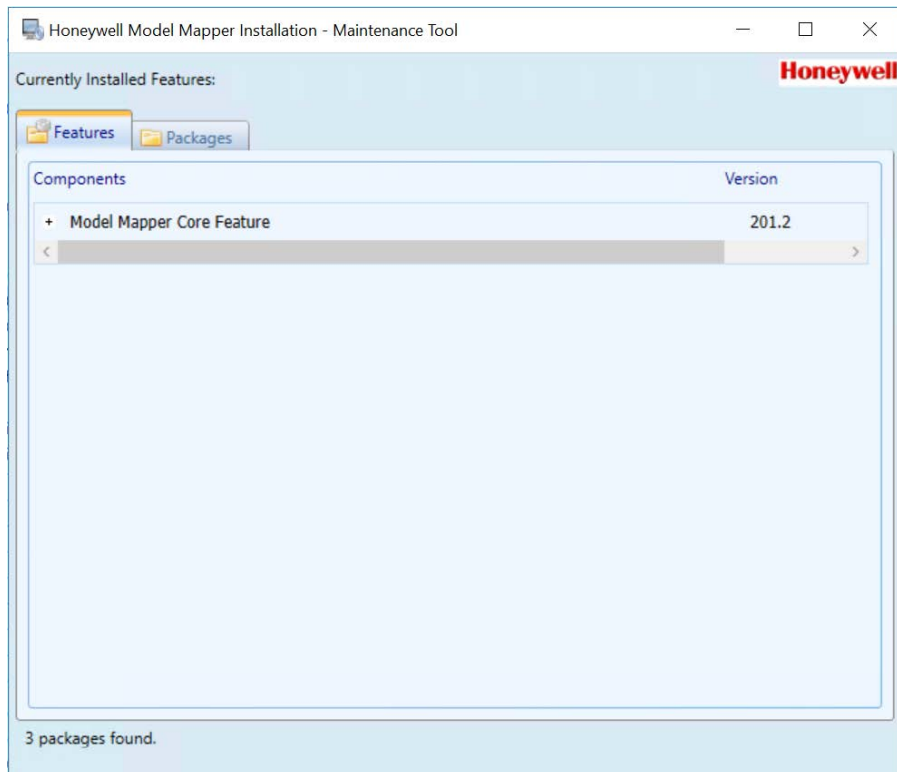


2. Database Server:

1. Open **Control Panel > Add-Remove Programs** screen and double click on **Honeywell Symphony** and verify the below versions:

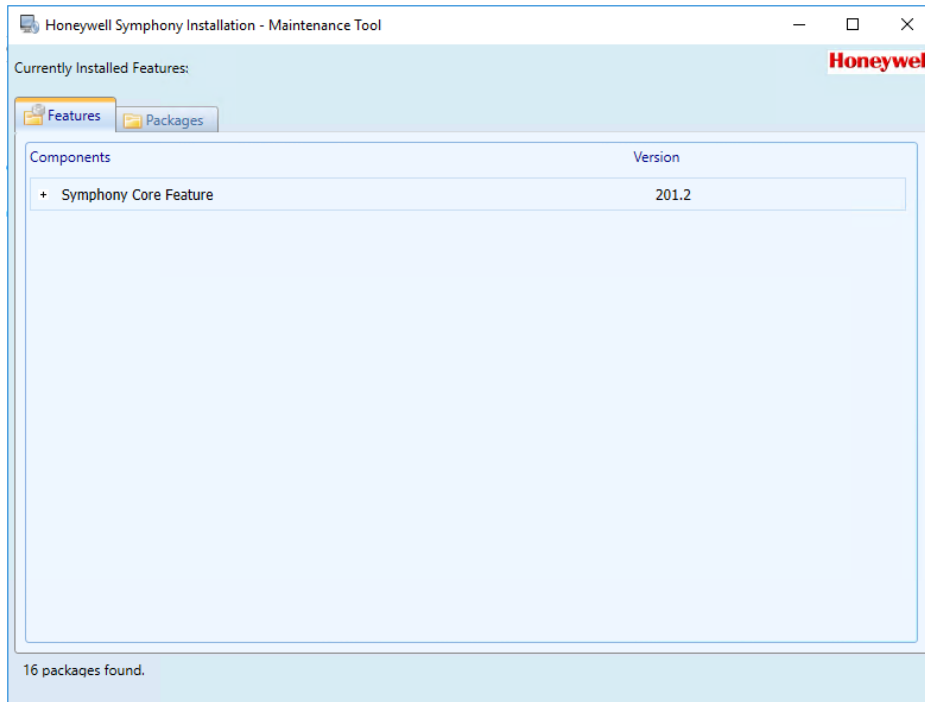


2. Open **Control Panel > Add-Remove Programs** screen and double click on **Honeywell Model Mapper** and verify the below versions:

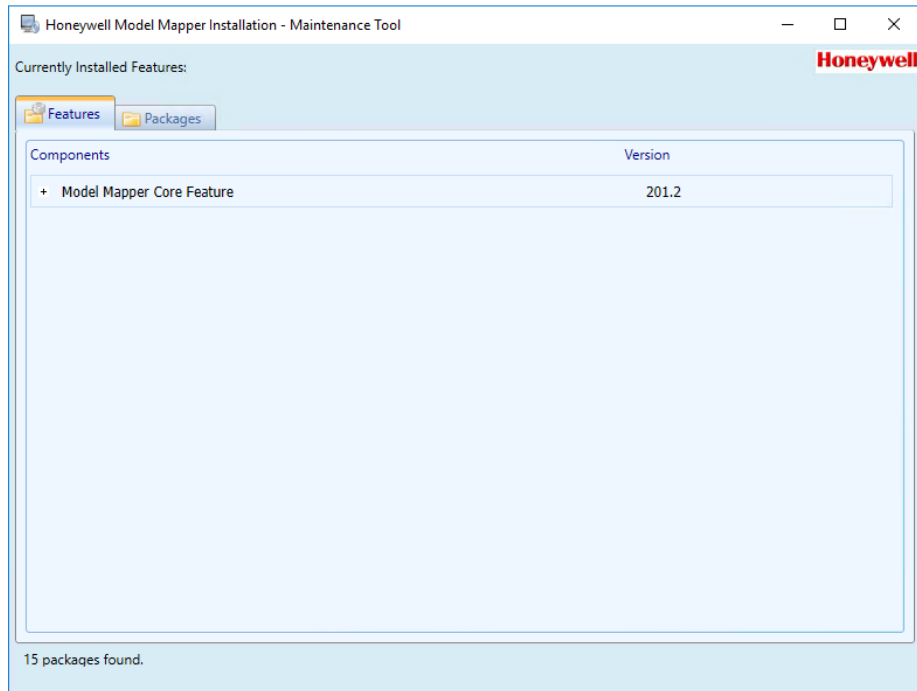


3. Web Server:

1. Open **Control Panel > Add-Remove Programs** screen and double click on **Honeywell Symphony** and verify the below versions:

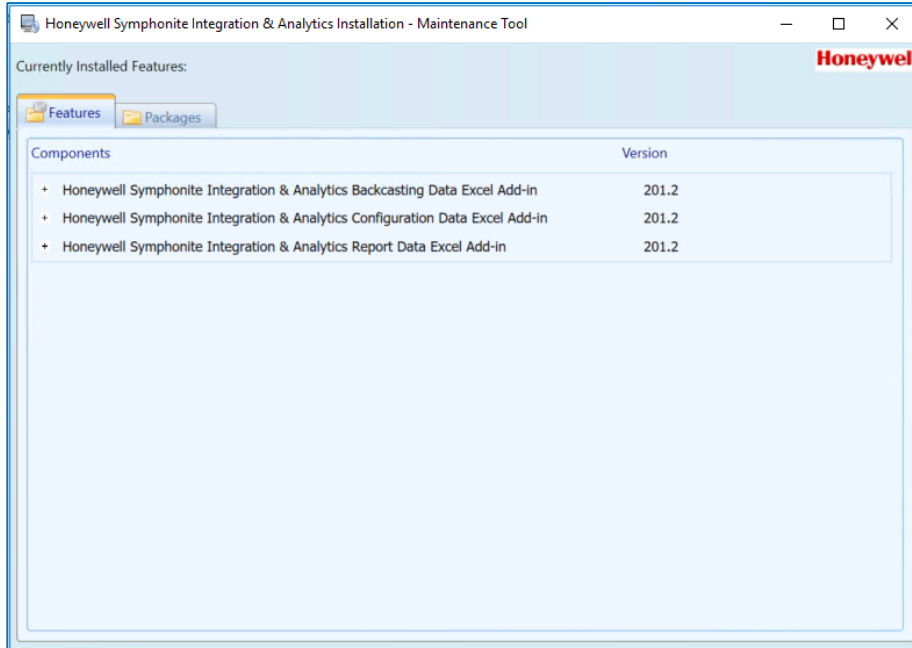


2. Open **Control Panel > Add-Remove Programs** screen and double click on **Honeywell Model Mapper** and verify the below versions:

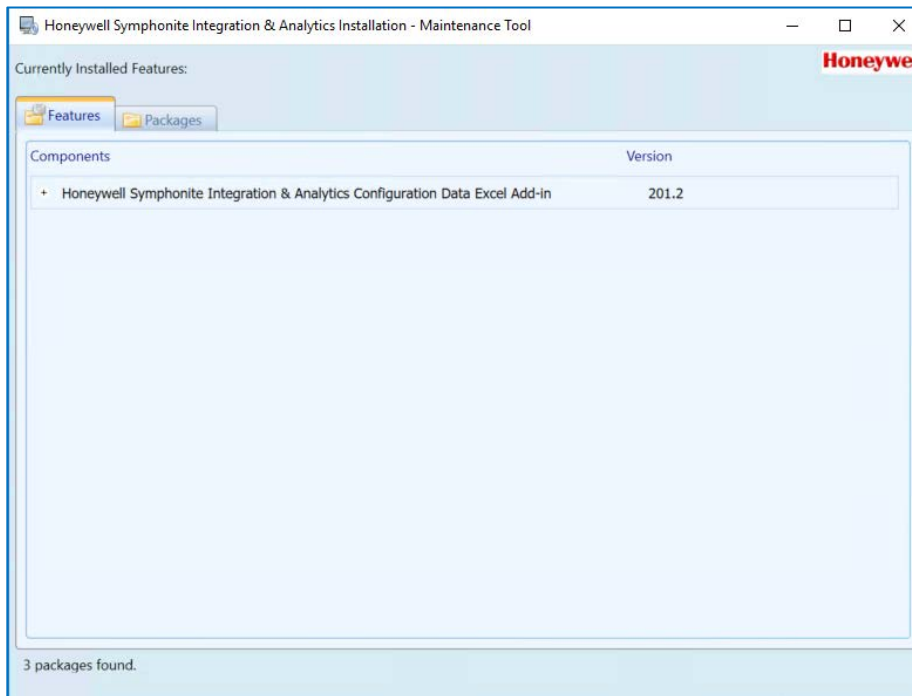


4. Client:

1. Open **Control Panel > Add-Remove Programs** screen and double click on **Honeywell Symphonite Integration & Analytics Symphony Excel Add-In** and verify the below versions:



2. Open **Control Panel > Add-Remove Programs** screen and double click on **Honeywell Symphonite Integration & Analytics Model Mapper Excel Add-In** and verify the below versions:



8 Uninstallation

For instructions on uninstalling SIA, refer to the “Uninstalling Symphonite IA” section in the **SIA Installation Guide**.

9 Known Issues

The following are the issues known to us at the time of this release.

Description of Known Issues	Workaround	ID(s)
<p>The Case View reports are generated and published with multiple metrics. Next from the View Report, if the same published report is opened, it shows the values only for first metric and rest of the metrics there will be no values.</p> <p>After changing the site, sometimes the Symphonite Model or Source Model selector in the document action pane of the SIA View Report client shows no items to select.</p>	<p>Restrict to one metric in the report template creation, such that when report generated using this template and published, values for the single metric will be stored always.</p> <p>For the model selector not listing any item issue – just navigate to other view, return back and retry (example: if you are in Time View just navigate to Case view and return back to Time View)</p>	RSYM-1510
<p>If SIA Server and client are in different time zone, if you request retranslation of existing cases, instead of retranslating the existing cases, application creates them as new cases.</p>	<p>No work around exists for this issue.</p>	RSYM-1274
<p>When number of days of the month are different, calculation of the metrics in absolute values (say KTONNE) from the transactions that are in rate units (say KTONNE/MONTH) results in errors.</p>	<p>No work around exists for this issue.</p>	RSYM-1470
<p>In SIA View Report client, a report template created by selecting multiple metrics (say Throughput and Purchase) with more than two metric headers (say Plan, Actual and Actual Sigmafine). If this template used to generate the report the column order gets disturbed in the view.</p>	<p>No work around exists for this issue.</p>	RSYM-1033
<p>Deletion of a record from Symphonite Notification sheet in SIA Case Configuration client does not indicate the deleted record with blue hyperlink</p>	<p>Refresh the sheet and ensure the required record is deleted.</p>	RSYM-1031

Description of Known Issues	Workaround	ID(s)
Though multiple items are published (or deleted) from a model, the notification generated from SIA shows only a single item is published (or deleted).	Check audit log to know the complete list of items published (or deleted)	RSYM-1025
<p>Audit issues in SIA Case Configuration client:</p> <ul style="list-style-type: none"> • On deleting parent transaction from any of the transaction sheets, the case audit sheet shows sheet name wrongly as Transaction Case. • When parent record is deleted from a transaction sheet, the audit sheet does not list the corresponding child records. • In symphony excel client, audit sheet requires all the columns as present in MM excel client. Activity tab should be also present in documents Action pane • Auditing context for change of description to be corrected 	No work around exists for this issue	RSYM-1019, RSYM-306, RSYM-894, and RSYM-628
Localization- executing InstallSIAResource_All.bat, the resource copy folder pops up at back end, failed to pop up at the top of powershell.	No work around available.	RSYM-469
In the SSRS time view report, if we select capacity utilization, purchases & sale and generate report for a particular timeline then it is generating headers for Plan, Actual & P & A as well for all the three matrices.	No work around available.	RSYM-910
Document-The user with sysadmin role launch the SSRS report from client- the user does not have required permissions message appearing. Reports page not launching.	No work around available.	RSYM-373
Uninstallation-Registry clean up failed, installation folders are still existing after uninstallation	No work around available.	RSYM-339

Description of Known Issues	Workaround	ID(s)
<p>Production Mode feature of SIA partially functional.</p> <ul style="list-style-type: none"> In symphony excel client, data is not getting deleted on Production modes In symphony excel client data is still present in Production modes sheet despite deletion of data in Model mapper and symphony excel client 	Do not use production mode feature.	RSYM-314, RSYM-313, and RSYM-640
<p>SIA Notification issues:</p> <ul style="list-style-type: none"> Configuration Notification issues Case Notification issues 	No work around available.	RSYM-820, and RSYM-818
<p>When input collection excel client doesn't give any result, the error message doesn't indicate the root cause</p>	No work around available.	RSYM-458
<p>Preloading of filters in SIA SSRS report is not possible. Due to this, each filter selection takes 10-15 sec</p>	No work around available.	RSYM-529
<p>If writeback configured with case view templates having Plan1 vs. Plan2 vs. Actual selections (with example case like AOP vs MOP vs Daily) following behavior is expected:</p> <ul style="list-style-type: none"> In the autogenerated case view reports the values from Plan1 gets reported in Plan2 column and keeping Plan 1 column filled with NA. Report header of the autogenerated case view report contains only the primary case details, missing the secondary and tertiary case details. The status of the autogenerated time view reports goes directly to approved state instead of going to published state. 	No work around available.	RSYM-1690

Description of Known Issues	Workaround	ID(s)
If the SIA application runs continuously for longer durations (eg. 6 months), then the memory consumption of the “host application.exe” file in the application server increases to more than 4 GB.	Restart the Honeywell Intuition Calculation service.	HCP-17926

10 Problems Resolved in the previous patches

10.1 Problems resolved in SIA R201.1

The following issues were addressed in **SIA R201.1**, released in September 2019:

S.No	Description of Known Issues	ID(s)
1	Fixes that was provided through earlier patches: <ul style="list-style-type: none"> SIA Performance issues while parallel request for case publish and translation During case publish to SIA unknown error comes. In SIA reports, incorrect planning values are shown for metrics. On publishing the case data, after automatic Case View report generation the report does not get published. If sliced cases are archive, if same case is republished slicing does not happen correctly. 	SR#1-21254900439
2	SIA View Report client takes very long time for Yield metric presentation	1-9QJQMVU
3	During automatic report generation, SIA creates one extra report with UTC time frame and lists it under published reports.	1-9ZC9Q4V
4	SIA View report client, Case View report gives no data found message when source case is in the main table and sliced cases are archived.	1-9ZQQBOF
5	Writeback mechanism skips some metrics	1-9ZC9Q56
6	SIA Service throws exception when the service goes to not responding mode.	1-9VKB8K8
7	Write back service of SIA stops working sometimes with Time View Reports	1-A6RS1LN
8	SIA Writeback constructor started error.	1-AQTDTSL

S.No	Description of Known Issues	ID(s)
9	There reporting metrics configured as design capacity which is basically depends on one manual entry	1-9VKB8IT
10	The order of listing the report items (material or equipment) in the published report appears different from the order they were listed when the report was generated.	RSYM-980
11	On the document action pane of the clients of Symphonite system that is localized to non-English, the localized text for the field names may not be completely visible. This occurs whenever the translated text is longer than the corresponding English text.	RSYM-538
12	In Compare View, if two different versions of the same case are selected for comparison (say Rolling Plan 01-Jan-2018 To 01-Apr-2018 Version 1 and Version 2), for the last case period the case data columns for comparison appear exchanged (Rolling Plan 01-Jan-2018 To 01-Apr-2018 Version 2 appears first, followed by Version 1).	RSYM-1045
13	If SIA is installed on a co-existing setup that's already installed with other Intuition based applications (like Production Accounting and Reconciliation) SIA notifications do not work.	RSYM-1044
14	SIA Case Configuration client transaction diagnostics do not display proper error message when the value for translated record becomes NULL due to the OPC_QUALITY_BAD state of the tag at the OPC Server.	RSYM-1032
15	For Scope based security roles, naming convention of roles is not user friendly	RSYM-478
16	Message "Not authorized operation" is displayed even when security options are checked	1-AUHAWKE
17	The SIA excel is throwing an error while selecting UOM from dropdown list in excel client	1-91DSQYU

10.2 Problems resolved in SIA R200.2

The following issues were addressed in SIA R200.2, released in April 2018:

S.No	Description of Known Issues	ID(s)
1	SIA Configuration client - The Template Metric sheet does not list newly created source system types unless you define the case frequency of the new source system.	RSYM-962

S.No	Description of Known Issues	ID(s)
2	SIA Case Configuration client - Translation of a case fails if you have configured the same expression for calculation (using SIA Configuration client in Symphonite Attribute Calculation sheet) for different Symphonite attributes.	RSYM-961
3	For translated case data available in %, and the reporting metric configured for display UOM in %, the reporting service currently multiplies the values by 100 instead of making no changes.	RSYM-845
4	When different expressions are defined for the same source system type for a metric, such that their variables are not convertible from the UOM defined in the metric calculation variable sheet and the UOM defined in Reporting metric sheet, then that configuration is not displayed in the report. In fact, there are no errors in either the csv or the txt log file indicating that the columns did not come up due to wrong configuration of variable UOMs and report metric UOM.	RSYM-844
5	If SIA co-exists with other Intuition-based applications (Production Accounting and Reconciliation), and Scope-based Access is used with SIA, the scope configuration page does not list the models configured in SIA. As a result, you cannot configure scope-based access.	RSYM-974
6	In metric mapping scheme configuration, it allows to configure duplicate mapping schemes but with different equipment or materials, also it does not validate the equipment and material names during publishing.	RSYM-982
7	If retry of write back is attempted from Write Back Summary page of the Case Configuration client and the corresponding report is already archived, SIA does not display an error message.	RSYM-983
8	During retranslation of a modified case, if any translation error occurs due to configuration issues (Example: Movement transaction with an unconfigured route), the Translation Status still appears as Completed.	RSYM-984
9	SIA Web report does not show the ad-hoc reports (the reports that are generated without using a template) generated and published from SIA View Report client.	RSYM-986
10	SIA Web report performance improvement in accessing the published reports.	RSYM-985

10.3 Problems resolved in SIA R200 Patch 2

Following are the issues addressed in SIA R200 Patch 2, release in February 2018:

S.No	Description of Problem Solved	ID(s)
1	When the server in Abu Dhabi time zone and the client in India time zone, the reporting start time is being passed incorrectly. Due to this, the values of all the metrics for the requested time are inaccurate.	RSYM-841
2	<p>User experience improvements</p> <ul style="list-style-type: none"> “View report” option in View Report Excel Client, the Manual Reports and Automatic Reports list view does not auto-adjust based on the length of the report name. Auditing records the approval and rejection actions on the report. In Case Equipment Operation and Case material sheet when a particular source system, source model, case and version is passed with appropriate start and end date, then the Get Data always returns No Data to show. 	RSYM-847, RSYM-843, and RSYM-792
3	<p>Unit of Measure (UOM) handling in SIA:</p> <ul style="list-style-type: none"> SIA application should not allow the following mapping scenario, Source attribute UOM as % and Symphonite attribute UOM as KTONNE, but currently this mapping is allowed in configuration excel client. Consider case data of the source attribute as 0 % then during translation, the value is retained as it is and UOM is simply replaced as KTONNE. Ideally there should be a UOM conversion failure. Capacity Utilization metric returns “No Data” message when design capacity variable, which is a constant, takes absolute UOM. It works only for rate UOM. After publishing the planning cases to SIA, the UOM conversion for planning case data does not happen correctly. 	RSYM-846, RSYM-822, and 1-8VTI0A0
4	<ul style="list-style-type: none"> Case View and Compare View as well as web report do not display correct metric data for several metrics. Yield metric with metric mapping scheme is not working. It gives all results as NA. 	RSYM-835, RSYM-827 RSYM-838, and 1-8VTG4HV
5	<p>Performance Improvements in SIA.</p> <ul style="list-style-type: none"> Improvement in case translation timing for cases with large case data Improved report generation time for the metrics with complex calculation expression (such as GRM, Yield, and so on.) <p>Improvement in response time with SIA clients when scheduled reports are running.</p>	RSYM-825, RSYM-809, RSYM-953, RSYM-879, and 1-8VTGDEH

S.No	Description of Problem Solved	ID(s)
6	<p>Improvements in SIA Configuration.</p> <ul style="list-style-type: none"> Multiple source model items of the same source system are allowed to be mapped to one Symphonite model item which causes issues in case translation later on. The issue is not even evident until user checks the reports. If a model item is part of primary hierarchy, it cannot be added as a part of logical hierarchy. Metric validation covers the case-sensitive variable naming, same was not handled earlier that resulted in incorrect metric values in view and report. After defining new site settings like source system type, case frequency type and so on, same do not get displayed in the configuration client. New hierarchy publish fails when an item has 99 characters. The publish of 99 characters is allowed in Symphonite Model Item and Symphonite Item Map worksheets. Even though publish is apparently successful, actually it has not been sent to the database. <p>Event Transaction sheet takes null values as 0 for the value column.</p>	RSYM-812, RSYM-811, RSYM-966, RSYM-886, RSYM-779, and RSYM-778
7	<p>Improvements in translation of cases involving DAS issues.</p> <ul style="list-style-type: none"> Translation of cases involving attributes with DAS tags was returning bad quality data with one-minute sampling interval. <p>UOM conversion is not handled with translation of cases with attributes that have DAS tags and OPC HDA_Interpolative aggregation.</p>	RSYM-789 and RSYM-787
8	<p>Backcasting issues</p> <ul style="list-style-type: none"> Removing the configured records in backcasting template not possible <p>Functional input collection does not happen if selected metrics are associated with both equipment and material (example: Yield).</p>	1-8VSRBCW, 1- 8UR1Y29, and 1- 8UR1Y6I
9	<p>SIA attributes were configured as DAS tags of OLEDB Plug-in. Values were not fetched on a chosen aggregation type.</p>	1-8VSRBGG

10.4 Problems resolved in SIA R200 Patch 1

Following are the issues addressed in SIA R200 Patch 1, released in October2017:

S.No	Description of Problem Solved	ID(s)
1	For Material Inventory reporting metric configuration, when user chooses source entity as “Case Inventory” in Metric Calculation	RSYM-778

S.No	Description of Problem Solved	ID(s)
	Variable sheet and publishes the metric without providing an Operation Type, publish fails and displays the error “Operation Type Filter is mandatory”. Issue is that there are no operation types available for selection and blank input is also not allowed for publishing. Due to this issue, Material Inventory metric is not viewable.	
2	In SSRS reports, “View Saved Template” report option does not display data for the provided valid inputs.	RSYM-791
3	Data fetch from historian is not happening. Detailed error message is viewable in MES log viewer. Due to this issue, historian SIA integration cannot happen.	RSYM-828
4	Configured Weightage column in “Symphonite Item Hierarchy” sheet is expected to return the Metric reports considering the configured weightage. Issue is that the configured weightage is not considered for reporting calculation.	RSYM-829
5	Null values published via Case Configuration Excel client for Value Column in any of the sheets converts the null value to zero before saving to database.	RSYM-830
6	Plan Vs Actual report for the below inputs returns the results with reporting interval as None instead of Quarterly. Type - Annual Operating Plan Actual Type – Monthly Reporting Interval – Quarterly	RSYM-831
7	In reporting metrics configuration if report UOM is configured as a rate UOM (e.g., KTONNE/D) and the variable UOM is absolute (KTONNE) then UOM conversion does not happen from KTONNE to KTONNE/D during Plan Vs Actual Reporting.	RSYM-832
8	For Routes having different names with the same source and destination equipment names, publish in case movements overwrites the existing record rather than creating two records for the same start and end time.	RSYM-833