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# **What's New in Focused Run for SAP Solution Manager**

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# 1 What's New in Focused Run

This section contains all release notes. You can use the navigation structure to find a specific release note for a specific feature pack (FP).

## 1.1 What's New in Focused Run 2.0 SP 0

The following new applications have been introduced with Focused Run for SAP Solution Manager 2.0, Support Package 0 (SP 0):

- Tactical Dashboard
- Alerting Consumer Variant Configuration
- Cloud Service Management

The following table contains details about new and changed functions of Focused Run 2.0 Support Package 0:

Function	Type of Change	Description
<b>Alert Consumer Variant Configuration</b>		
Simplified User Interface	Changed	This application is now based on SAP UI5 technology. The user interface is simplified.
<b>Alert Management</b>		
Configuration	New	<p>You can maintain application specific configuration from the monitoring UI.</p> <ul style="list-style-type: none"><li>• <b>Classification:</b> You can create, edit, and delete different types of classification. Note that classification can be created only with allowed namespace, z* and y*. The default classifications shipped by SAP cannot be deleted.</li><li>• <b>Categorization:</b> You can create, edit, and delete different types of categorization. Note that categorization can be created only with allowed namespace, z* and y*. The default categorizations shipped by SAP cannot be deleted.</li><li>• <b>Default Notification:</b> You can assign notification variants created in Alert Consumer Variant Configuration to the monitoring use cases.</li><li>• <b>Default Outbound Integration:</b> You can assign existing outbound integration variants created in Alert Consumer Variant Configuration to the monitoring use cases.</li></ul>

Function	Type of Change	Description
Columns	New	On the <a href="#">Open Alert List</a> and <a href="#">Alert Search</a> page, new columns are added to the table. The new columns are: <ul style="list-style-type: none"> <li>• Alert Categorization</li> <li>• Alert Classification</li> <li>• Current Workmode</li> <li>• Workmode Start Time</li> <li>• Workmode End Time</li> </ul>
Filter options	New	On the <a href="#">Open Alert List</a> page, you can filter alerts based on <a href="#">Categorization</a> and <a href="#">Classification</a> .
Processor	New	For open alerts, you have the option to assign processor or to remove the assigned processor.
Recipient Information	New	In the <a href="#">Action Logs</a> of an alert, you can view the recipient information.
Default views in <a href="#">Alert Reporting</a> page	New	On the <a href="#">Alert Reporting</a> page, four views are added. You can view reporting of alerts based on <a href="#">Alerts created by Monitoring Objects (MO) Types</a> , <a href="#">Open Alerts by MO Types and Categories</a> , <a href="#">Top 10 Alerts (Open and Confirmed) affecting most MOs</a> , and <a href="#">Top 15 MOs with most Alerts</a> . The default timeframe is "7 days" for which the data are displayed. You have the option to create your own custom page and create your own report by adding preferred dimensions and KPIs in <a href="#">Scope Selector for Reporting</a> .

### Central Notification Management

Validity date for recipient list	New	You can maintain the validity date for any recipient list. By default, the validity is 2099 days.
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### Configuration & Security Analytics

Policies - Customer - Assignment	New	You can now restrict the visibility of policies to customers. If no customer network is assigned, a policy is visible to users of all customers that are authorized for the policy (authorization object <code>S_RSM_CV_TS</code> ). If one or more customer networks are assigned to a policy, the policy is only visible for users that are authorized for an assigned customer network and the policy.
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### Integration and Cloud Monitoring

Configuration	Changed	<p>You can maintain the configuration of technical systems, cloud services, scenarios, and end-to-end (E2E) flows directly from the monitoring UI.</p> <p>For technical systems and cloud services, single and mass set-up is possible.</p> <p>For scenarios and E2E flows, you can maintain a graphical configuration.</p>
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Function	Type of Change	Description
Monitoring of web services messages (ABAP)	New	You can now monitor web services messages (source transaction: <code>srt_moni</code> ).
Monitoring of bgRFC	New	You can now monitor bgRFC (source transaction: <code>sbgrfcmon</code> ).
Monitoring of C4C	New	You can now monitor C4C messages.
Global Message Search	New	Unified search for message like data such as PI, IDOC, CPI, and C4C.
E2E Monitoring	New	On this page, you can monitor end to end message flows.
Exception Categories	New	Two cloud services, SAP Fieldglass and SAP Cloud Platform Neo & Cloud Foundary Errors - Alert Notification, are included for Exception Monitoring.

### Real User Monitoring

Integration of <i>System Analysis</i>	New	You can now use the jump-in functionality for a system and time stamp in real user monitoring to jump directly to the system analysis.
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### Simple System Integration

SAP EarlyWatch Alert Reports for ABAP, BusinessObjects BI and BusinessObjects DS	Changed	SAP EarlyWatch Alert Reports for SAP NetWeaver ABAP, SAP BusinessObjects cluster, unspecific cluster (for SAP BusinessObjects Data Services) are now automatically activated for productive managed systems.
SAP HANA multi-tier replication clusters	Changed	The handling of SAP HANA multi-tier replication clusters has been improved. The clusters are completely configured during SSI. All tiers are configured and the configuration status is updated for all involved tiers.
Support of SAP LiveCache managed systems	New	You can now configure SAP LiveCache managed systems for Focused Run scenarios.
Default naming pattern for agent users for ABAP and Java managed systems	Changed	To support connectivity from multiple Focused Run systems to the same set of managed systems, the default naming pattern for the agent connectivity user has been changed from SDAGENT/SDAGENTJ to SDAGENT_<FRUN-SID>/SDAGENTJ_<FRUN-SID>, for ABAP/Java respectively.

### Synthetic User Monitoring

Function	Type of Change	Description
Status Statistics view	New	<p>This new view allows you to analyze the evolution of scenario executions over time. In a stacked bar chart, the view displays the number of executions that ended in a given status during a certain time range. Depending on the time range, the metrics are automatically grouped per hour, day, week, or month. This helps you determine tendencies.</p> <p>In <a href="#">View Personalization</a> you can:</p> <ul style="list-style-type: none"> <li>• Force the grouping to another granularity (hour, day, week, or month – note that this could impact the view responsiveness)</li> <li>• Display the metrics as percentages (of the total executions of the group) rather than counts</li> </ul> <p>This view reacts to the <a href="#">Scenario</a>, <a href="#">Location</a>, <a href="#">Status</a>, and <a href="#">Time Range</a> filters.</p>
"Cron-based" execution scheduling	New	<p>By default, the scenarios are executed as per the <code>schedule.period.seconds</code> parameter. This does not allow you to define precise or complex schedules.</p> <p>When set, the new <code>schedule.cron.expression</code> parameter supersedes the <code>schedule.period.seconds</code> parameter. It enables you to precisely indicate (down to the minute) when a scenario must be executed. The parameter value is an expression with "cron"-like syntax. It allows you, for instance, to indicate that a script must only be executed during certain hours of the day.</p>
<b>System Analysis</b>		
Data display	New	You can now choose to display the data in most views as either a chart or a table.
Technical details	New	In the <a href="#">Tools and Links</a> menu for each view, you can display technical details about the configured metrics and the scope of the data that is displayed.
Page catalog	New	The page list contains a page catalog that lists all of the predefined pages for system analysis. As standard, the page list shows you only those pages that are relevant based on your scope selection. If you want to display another page, you can select it from the page catalog.
RCA stores	New	<p>The following RCA stores have been added:</p> <ul style="list-style-type: none"> <li>• HANA Component Memory</li> <li>• HANA Table Sizes</li> <li>• HANA Statements</li> <li>• HANA Expensive Statements</li> <li>• HANA Load Host</li> <li>• HANA Load Services</li> <li>• SAP Cloud Platform (Neo)</li> </ul>

Function	Type of Change	Description
Predefined pages	New	New default pages have been added based on the new RCA capabilities: <ul style="list-style-type: none"> <li>• SAP Cloud Platform</li> <li>• HANA Component Memory</li> <li>• HANA Tables</li> </ul>
Personalizable links	Changed	Links can now be added to custom pages. Custom web links can also be defined centrally.
Guided RCA	Changed	Selection propagation for guided Root Cause Analysis can now be applied to custom pages.
Search in metric catalog	Changed	A new, simple search function has been added to the metric catalog for custom charts.
Hosts	Changed	The <i>Hosts</i> page now shows you the top five systems for each host instead of the virtual CPU.
ASE	Changed	The <i>ASE</i> page has been enhanced to fill all charts, irrespective of whether they are based on ABAP or BusinessObjects.
SAP HANA Thread Samples	Changed	On the <i>SAP HANA Thread Samples</i> page, the tooltip for the bottom chart now displays the HANA SQL statement in full.
Number formats	Changed	The number of decimals displayed for large numbers has been reduced to improve usability.
Color assignment	Changed	The colors that are used to indicate systems and metrics have been standardized across each view so that you can more easily compare the data.
Time zone support	Changed	Aggregation to daily values now considers your time zone (based on your browser settings).

## System Monitoring

<i>Hosts</i>	New	On this page, you can view the hosts that are selected as part of the monitoring scope and also additional details of the hosts.
Search option in <i>Systems</i> page and <i>Hosts</i> page	New	You can directly search for systems or hosts on the respective pages by using the search option
Top N summary chart in metric view	New	You can select the number of monitoring objects for which you would like to see the summary in a chart view.
System Anomaly Prediction Settings	Changed	<ul style="list-style-type: none"> <li>• Changed from systems' view to variants' view.</li> <li>• You can use the On/Off toggle button to activate or inactivate a scoped system for anomaly prediction.</li> <li>• You can maintain model versions per system and adjust the threshold settings.</li> </ul>

Function	Type of Change	Description
Alerting for system anomaly prediction	New	Alerting is introduced for system anomaly prediction. For example, the alert, Database Anomaly in SAP HANA DB template, is newly added.
Custom Models	New	You can create your own model and implement it within the application.
System anomaly prediction results	New	<ul style="list-style-type: none"> <li>Model view for the predicted system is available.</li> <li>Risk History for a system and model version is available.</li> </ul>
<b>Open Component Monitoring</b>		
Configuration and personalization of metrics	New	You can filter, sort and group the data tables of metrics.
Configuration of network settings	New	You can assign a central agent per customer network.
Configuration of metric settings	New	You can create, modify and delete metrics.

## 1.2 What's New in Focused Run 1.0, FP 3

The following applications have been renamed with Focused Run 1.0, feature pack 3 (FP 3):

Old Name	New Name
<b>Application</b>	
Advanced Monitoring	Open Component Monitoring
System Analytics	System Analysis
Integration Monitoring	Integration and Cloud Monitoring
<b>Area</b>	
Configuration and Security Analysis	Advanced Configuration Monitoring

In the following table, discover new and changed functions of Focused Run for SAP Solution Manager applications:

Function	Type of Change	Description
Advanced Root Cause Analysis	New	This new area comprises the applications <a href="#">System Analysis</a> , <a href="#">File System Browser</a> and <a href="#">Trace Analysis</a> .
<b>Landscape Management Database Setup</b>		
Import of CIM model and SAP CR content	New	You can now import CIM model and SAP CR content into the landscape management database directly. Synchronizing this data from a system landscape directory is no longer necessary.
<b>Simple System Integration</b>		
Simple DA connection to managed system	Changed	Support for connection from simple DA to ABAP managed system via secure network communication protocol (SNC).
Edit configuration dialog in the simple system integration UI	Changed	Changing and saving system parameters via the edit configuration dialog triggers a reconfiguration of the system.
<b>Self-Monitoring Dashboard</b>		
Simple DA availability chart - customer network view	New	The customer network view is available in the simple diagnostics agent availability chart.
Simple DA version chart	New	Simple diagnostics agent version chart is available.
Host agent version chart	New	Host agent version chart is available.
Metrics	Changed	Database organized by product, displayed in grey metrics.
<b>Central Notification Management</b>		
Recipient list	Changed	Customer independent recipient lists now can take ad hoc recipient details: E-mail, SMS and system user.
Recipient list	New	Change log for external recipients is now available.
Scheduled Notification	New	External services as a System Type is supported in scheduled notification configuration.
Scheduled Notification	New	Scheduled notifications support for the <a href="#">Alert Management</a> application.
<b>System Monitoring</b>		
System Down Monitoring	New	On the <b>System Down Monitor</b> page you can identify the systems and databases that are currently in an unplanned outage or in a planned downtime.
System Anomaly Prediction	New	On this page, you can view the systems that have deviated from the standard based on the threshold set for the model. For example, SAP HANA out of memory situation. .

Function	Type of Change	Description
Metric groups	Changed	Maintain managed object-specific configuration for metric groups.
Historical data of Metrics and Event	Changed	You can view the historical data of the metric or event by selecting the specified timeframe for which you want to view the data.
Fuzzy Search	Changed	You can do a fuzzy search for systems, hosts, instances, events and metrics in the search bar at the top of the screen
Global Settings		You can select if you want to view the grey systems and also set the refresh timer.
Integration with exception management	Changed	You can now define alerts for collected ABAP exceptions, as defined in the scope of advanced system management, using the open component monitoring configuration.
<b>System Monitoring - Individual Maintenance</b>		
Change configuration popup	Changed	The change configuration popup that appears by clicking on a changed object, is now provided in UI5.
<b>SAP EarlyWatch Alert Reports</b>		
SAP EarlyWatch Alert Reports	Changed	SAP EarlyWatch Alert Reports for SAP BusinessObjects cluster, un-specific cluster (for SAP BusinessObjects data services systems), and SAP HANA database technical systems have been enabled.
<b>Open Component Monitoring</b> (formerly called advanced monitoring)		
Open Component Monitoring: Add <a href="#">Host Availability</a>	New	You can now specify an external service as an optional parameter for the metric <a href="#">Host Availability</a> . If an alert is available for that metric and you resolve the alert, view the outage caused by the alert in the <a href="#">Service Availability Management</a> application.
Open Component Monitoring - Configuration: Add <a href="#">URL Availability</a> / add <a href="#">HTTPS Certificate Expiration</a>	New	You can now specify proxy URL as an optional parameter for the metrics <a href="#">URL Availability</a> and <a href="#">HTTPS Certificate Expiration</a> . The proxy URL refers to a proxy server.
Monitoring & Alerting – Template Maintenance	Changed	The processing logic of the complex placeholder <a href="#">\$NAMESPACE.HOSTNAME\$</a> , which determines the central diagnostics agent for a customer network was changed. The processing logic is specified in implementation <a href="#">NAMESPACE_PLACEHOLDER of BAdI BADI_COMPLEX_PLACEHOLDER_READ</a> .
Open Component Monitoring: Tabs referring to metrics	New	You can now display different status of a metric over a time horizon in a chart (metric monitor).
<b>Service Availability Management</b>		

Function	Type of Change	Description
Integration in system monitoring	New	Service availability management is now integrated in the <i>System Monitoring - System Down Monitoring</i> application (outage and down-time).
Host availability alert integration	New	Host availability alerts from open component monitoring are reported into service availability management.
Outage integration	New	Notification from an outage includes a direct link to the outage.
Outage download	New	Download of outage summary is available.
Outage processing	Changed	Usability improvements in outage processing.
<b>Guided Procedure Planning Management</b>		
Schedule background execution	New	From the guided procedure browser, you can now schedule background execution of guided procedures using the GP planning management tool.
Summary e-mail and report	Changed	The preview of the health check report is included inside the health check e-mail.
<b>Guided Procedure Content - Automatic health Check</b>		
Plugins	New	New guided procedures plugins: <ul style="list-style-type: none"> <li>• Report the result of configuration and security analytics</li> <li>• Check the database size and growth</li> <li>• Check if specific user is expired or locked</li> </ul>
Health check content filtering	New	Some new content filters are available. For example: Hide system log messages in the health check report or hiding certain short dumps.
Summary email and report	Changed	The preview of the health check report is included inside the health check email.
Guided procedure renaming	Changed	The health check guided procedure has been renamed from Regular Health Check for ABAP Systems to <b>System Health Check for ABAP Systems</b> .
<b>Real User Monitoring</b>		
Integration with exception management	New	Displays the collected ABAP exceptions.
<b>Synthetic User Monitoring</b>		
Performance and availability alerts	New	You can define performance and availability alerts based on the scenario (script) executions on the locations (robots).
Alerts	New	The alerts can be scenario-oriented or location-oriented.

Function	Type of Change	Description
Alert metrics	New	Alert metrics can be grouped and refer to one or several scenario/location combinations.
<b>System Analysis</b>		
Page toolbar	New	Every page contains a header toolbar showing the selected time range and scope. The time range can be directly adjusted via scroll buttons or by choosing one of the pre-defined time ranges. The global scope can be refined by removing systems from the scope.
Navigation based on analytics context	Changed	Data points can be selected in a view and used as input for other views on the same page, for navigating to other pages, and as input for opening other Focused Run for SAP Solution Manager tools like file system browser and system monitoring.
Extended chart options	Changed	You can choose the chart type for custom charts in a dedicated dialog box. Variants of the major chart types: Time series, 2nd value axis, stacking. Also, pie and donut types are now supported.
Predefined content enhancements	Changed	The predefined dashboards for AS for ABAP, SAP HANA, AS for Java have been enhanced. A new dedicated dashboard for AS for ABAP running on SAP HANA has been added.
New data stores: SAP HANA thread samples and ABAP work process monitoring	New	Detailed information about ABAP work processes and HANA thread samples can be collected and stored in Focused Run for SAP Solution Manager.
System anomaly analysis	New	The new page toolbar shows an indicator if, for systems in scope, a system anomaly is expected.
Integrated configuration of data collection	New	Collection of exception management data, ABAP performance data, and SAP HANA thread samples can be activated and deactivated directly from the application.
Integration with exception management	Changed	Define alerts for collected ABAP exceptions, as defined in the scope of advanced system management, using open component monitoring configuration.
<b>Integration and Cloud Monitoring</b> (formerly called Integration Monitoring)		
Monitoring channels	New	qRFC monitoring / tRFC monitoring / BDoc Monitoring / monitoring of concur data replications.
Drilldown to messages details	New	You can enable drilldown from dashboards into message details.
RFC connection monitoring	Changed	You can enable support for HTTP and JCO communication.
PI monitoring	Changed	PI monitoring now features component-specific performance monitoring of PI message processing.

Function	Type of Change	Description
SAP Fieldglass support	New	You can monitor SAP Fieldglass subscription and integration-related exceptions.
Configuration	Changed	The configuration of cloud services can now be deactivated and again activated.
<b>Guided Procedure Content - Automatic Alert Reactions</b>		
Content	New	New guided procedures to analyze ABAP, Java, and BOBJ availability alerts.
<b>Advanced Event and Alert Management</b>		
Scope selection	Changed	You can add additional attributes in LMDB along with AEM specific attributes (Monitoring use case, Monitoring Object Name, and Monitoring Object type) in Scope Selection.
Open alert list sorting	New	The alert table can be sorted by alert name, category, type, current rating, priority, worst timestamp, and processor.
Custom alert e-mail notifications	Changed	Create custom alert e-mail notification that includes alert details, metrics name, and documentation from the alert list. Content is now customizable.
Open alerts by priority	New	A new view is available from the UI personalization. The open alerts by priority view shows the number of alerts per ratings (low, medium, high). The view can be either graphical or a table.
Open alerts by monitoring use-case	New	A new view is available from the UI personalization. The open alerts by monitoring view shows the number (critical or warning) of alerts per monitoring use case. The view can be either graphical or a table.
Open alerts by customer network	New	A new view is available from the UI personalization. The open alerts by customer network view shows the number of alerts per customer network. The view can be either graphical or a table.
Alert reporting	New	Alert reporting page is added. On the <b>Alert Reporting</b> page, you can view the open and confirmed alerts. The alerts are displayed based on the dimensions and KPI settings that you have selected in <b>Scope Selector for Reporting</b> .
Trigger alert reactions manually	New	You can select the corresponding alert reaction and trigger it manually for the selected alert.
Alert reaction execution type: Automatic or Manual	New	You can set alerts reactions to be triggered automatically, manually, or both. You have to implement the BAdI BADI_ACC_REACTION_EXT.
<b>Advanced Configuration Monitoring</b>		
Housekeeping for CCDB	New	You can now manage housekeeping activities for CCDB.

Function	Type of Change	Description
Exemptions for policies	New	You can set date ranges or due dates that define when the exemption should be applied.

## 1.3 What's New in Focused Run 1.0, FP 2

The following new applications have been introduced with Focused Run 1.0, feature pack 2 (FP 2):

- File System Browser
- Individual Maintenance - Managed Objects Change List
- Self-Monitoring Dashboard
- Advanced Monitoring
- Synthetic User Monitoring

In the following table, discover new and changed functions of Focused Run applications:

Function	Type of Change	Description
<b>Landscape Management Database</b>		
Scope selection for technical systems	Changed	You can now search for additional custom-defined attributes, and for additional SAP-standard attributes.
<b>Simple System Integration</b>		
<i>Global Settings &amp; Network Configuration</i>	Changed	<p>You can define use cases at the following levels:</p> <ul style="list-style-type: none"> <li>• Global</li> <li>• Customer network</li> </ul> <p>Use case settings are defined during the <i>Simple Diagnostics Agent</i> configuration and during the execution of <i>Simple System Integration</i>.</p>
Automatic reconfiguration	Changed	<p>If LMDB landscape data are changed in a specific way, the <i>Simple System Integration</i> configuration is re-executed. This applies to the following changes:</p> <ul style="list-style-type: none"> <li>• SAP HANA replication failover</li> <li>• Logical host has been removed from or added to either the physical or virtual host</li> <li>• Instances have been removed from or added to technical systems</li> <li>• Software component versions have been changed</li> <li>• ABAP clients have been changed</li> </ul>
Integration of SAP HANA Cloud connector	New	The SAP HANA Cloud connector can now be integrated into Focused Run.
<b>Self-Monitoring</b>		

Function	Type of Change	Description
Simple System Integration (SSI) status	New	The SSI status is now displayed in the application.
<b>System Analytics</b>		
<a href="#">ABAP Performance</a> dashboard	New	In this dashboard, ABAP performance data is displayed.
<a href="#">ABAP Exceptions</a> dashboard	New	In this dashboard, details on ABAP exceptions are displayed.
<a href="#">Metrics Forecast</a> icon	New	Selecting this icon triggers forecasts that are then displayed in a chart.
Autoselection of database	Changed	For all technical systems in the current scope selection, the system databases are automatically added to the scope if the database type is SAP HANA or ASE.
Aggregation variants	New	Variants allow a flexible configuration of retention times, metrics, and system selection.
Minimized overlap	Changed	This refers to the overlap between raw and aggregated data that has been minimized.
Aggregation configuration user interface	Changed	ABAP report for initial configuration has been deleted. The functions have been integrated in the unified configuration user interface.
Tooltips for data points and series labels	New	Clicking on a data point or a series label displays a detailed tooltip. The tooltip contains minimum, maximum and count values, for example.
<b>Configuration and Security Analytics</b>		
SAP HANA checks (Policy Management)	New	You can now define more complex checks for SAP HANA (such as joining host parameters).
Rule description (Policy Management)	New	A rule description can be added within the policy for each check. This is in addition to the technical rule definition. The rule description is later used in the user interface when the check results are displayed.
"Item-not-found" checks (Policy Management)	Changed	"Item-not-found" checks are now also performed for joining host rules.
Search	Changed	Search results can be displayed in columns to allow for easy filtering of a configuration store.
<b>Simple Diagnostic Agent</b>		
Secure communications via TLS	New	Secure communication via TLS has been enabled.
Additional .Net metrics, SAP HANA cloud connector monitoring	New	New .Net metrics have been enabled. In addition, SAP HANA cloud connector monitoring has been introduced.
Multiple inbound port support	New	Multiple inbound port support with TLS

Function	Type of Change	Description
File system browser	New	The file system browser is available in <a href="#">Agent Administration</a> .
<b>Self-Monitoring</b>		
Dashboards	New	Dashboards display the status of various infrastructure elements. <ul style="list-style-type: none"> <li>• Grey metrics identification</li> <li>• Alert calculation engine runtime</li> <li>• Simple Diagnostic Agents</li> <li>• Status of introscope agents</li> </ul>
<b>System Monitoring</b>		
Display of grey systems	New	Displays systems with a grey status, based on user preferences.
View details of specific metric and event	New	You can now view details of a single metric and a single event across different systems.
Search for managed objects and metrics	New	You can search for systems, hosts, and instances in the search bar at the top of the screen.
Display of events with critical and warning status	New	Events that have statuses such as warning or critical are displayed by the system.
Individual maintenance	New	Allows maintenance of alert and metric settings for a given managed object.
Metric Forecast in Metric Monitor	New	For applicable metrics, if you select the <a href="#">Show Forecast</a> checkbox, the forecasts are displayed in a chart format.
<b>IT Calendar and Work Mode</b>		
Mass creation of work modes	New	You can select multiple systems at the same time to create work modes.
Enhanced support for SAP HANA systems	New	Provides enhanced support for SAP HANA systems.
Upload work modes	New	You can upload work modes to an IT calendar in comma-separated values (CSV) format.
<b>Central Notification Management</b>		
<a href="#">Unified Central Notification Management</a> application	Changed	Recipient lists, templates, scheduled maintenance, and notifications have been combined into this application.
Data separation for recipients, instant notification, and scheduled notification	New	You can separate the data for recipient lists, instant notifications, and auto notifications. It can be specific to the customer network, or it can be customer-independent.

Function	Type of Change	Description
<b>License Management</b>		
End user fencing	New	End user fencing has been introduced.
RAGS_MK_UD_LIC report	Deleted	The SA38 report RAGS_MK_UD_LIC has been removed.
<b>Service Availability Management</b>		
Mass maintenance of service out-ages	New	You can perform mass maintenance activities on outages.
Customization	New	Set pre-defined status options, as per your requirements.
<b>SAP Early Watch Alert Reports</b>		
SAP EarlyWatch Alert Reports	Changed	SAP EarlyWatch Alert Reports for JAVA technical systems have been enabled.
<b>Expert Scheduling Management</b>		
Self-monitor the framework	New	With any execution in error status, the self-monitoring option allows you to view details such as: <ul style="list-style-type: none"> <li>• Last job run</li> <li>• Banned tasks</li> <li>• List of tasks</li> </ul>
Select number of runs for viewing details	New	You can select the number of runs for which you want to view the details.
Data separation concept	New	You can maintain customer network details for any task.
<b>Alert Management</b>		
Alert Management handles alerts not coming from MAI	New	Advanced Integration Monitoring (AIM), Real User Monitoring (RUM), and Exception Management (ExM) do not use MAI. Inbound connector interface, in the form of an OData service, is available using alerts from any third-party application or tool that can be fed into Alert Management.
Integration of guided procedure	New	Alert reaction guided procedures can be triggered from alert management to analyze and resolve system monitoring alerts in a guided and automated way.
Improved scope selection	New	The scope selector allows the selection of alerts coming from use cases not based on MAI.
Download alerts	New	Download all the alerts and the details to MS Excel.
Display confirmed alerts	New	You can search for the confirmed alerts on the <b>Alert Search</b> page

Function	Type of Change	Description
Alert search filter setting	New	This option allows you to search for open and confirmed alerts based on timeframe.
Longterm persistency of alerts	Changed	Alerts can now be stored for a longer period of time (such as one year), according to your settings.
<b>Alert Consumer Settings</b>		
Use consumer variants during runtime	Changed	Changes in consumer variants take effect after saving the variant. No reconfiguration is required.
<b>Guided Procedure Content for Advanced System Management</b>		
Planned downtime reporting	New	This plug-in provides information about upcoming planned downtimes for the selected system.
Outage reporting based on SAM data	New	This plug-in provides information about past outages for selected services. As a prerequisite, Service Availability Management (SAM) needs to be set up.
Availability reporting based on SAM data	New	This plug-in provides information about the availability and defined availability of service-level agreements for selected services in recent reporting periods. As a prerequisite, Service Availability Management (SAM) needs to be set up.
ABAP average response time and number of steps	New	This plug-in provides information about ABAP performance for different task types and number of steps.
ABAP response time distribution	New	This plug-in provides information about ABAP response time distribution for different task types.
Guided procedure <i>Automated Health Check for ABAP Systems</i>	Deleted	This guided procedure has been replaced by the guided procedure <i>Regular Health Check for ABAP Systems</i> . You can execute this guided procedure in regular intervals for multiple ABAP systems. You can also use it as a template for customer-specific guided procedures.
<b>Advanced Integration Monitoring</b>		
IDoc Monitoring	Changed	Dashboards have been improved (including filtering). A new dashboard displays error messages per message type.
Process Integration (PI) monitoring	Changed	A new view for monitoring PI channels has been introduced. Monitoring of single PI communication channels is now possible. The search capabilities for PI messages now also support user-defined search (UDS) attributes.
SAP Cloud Platform Integration support	New	Single integration flows in SAP Cloud Platform Integration can now be monitored.
RFC/HTTP connection monitoring	New	You can now monitor outgoing RFC and HTTP connections of ABAP systems.

Function	Type of Change	Description
Configuration	Changed	The configuration of on-premise systems and cloud services is now possible in one application. The configuration user interface has been harmonized and improved.
Exception management in Advanced System Monitoring	Changed	ABAP exceptions are now also available in Advanced System Monitoring.
Support of SAP S/4HANA Cloud	New	You can now monitor AIF and DRF exceptions for SAP S/4HANA Cloud.
Support of SAP SuccessFactors data replication monitor	New	You can now monitor SAP SuccessFactors data replication monitor exceptions.
Modeling of integration scenarios	New	You can define integration scenarios and display associated models.
Integration with advanced event and Alert Management	New	Alerts related to Advanced Integration Monitoring are now available in a dedicated view of the alert inbox. Notifications and Badl mechanisms of advanced event and Alert Management can be used.
<b>Guided Procedure Content for Alert Management</b>		
New plug-ins	New	The following plug-ins can be included in customer-specific alert resolution procedures. They can be processed manually or automatically from advanced event and Alert Management in the context of an alert. The result of the plug-in executions is visible in the guided procedure result report.
<a href="#">Check Current Rating of Alert</a> plug-in	New	Displays current status of related alert and metrics.
<a href="#">Check Related Alerts for Current System</a> plug-in	New	Displays other open alerts concerning the system, database, and the instances of the system and the hosts.
<a href="#">Execute Custom Operation</a> plug-in	New	From the guided procedure, you can execute custom operations deployed in the host agents of the managed system from the guided procedure.
<a href="#">Execute Safe saphostctrl Function for Database</a> plug-in	New	You can check the status of a database using the <code>saphostcontrol</code> operations <code>GetDatabaseStatus</code> , <code>GetDatabaseSystemStatus</code> , and <code>GetDatabaseProperties</code> .
<a href="#">Execute Safe SAP Control Operation</a> plug-in	New	You can check the status of an ABAP or SAP J2EE system using the <code>sapcontrol</code> operations <code>ABAPGetWPTable</code> , <code>ABAPGetSysWPTable</code> , <code>GetProcessList</code> , <code>J2EEGetProcessList</code> , and <code>J2EEGetProcessList2</code> .
<a href="#">Check SDA availability</a> plug-in	New	Displays the status of simple Diagnostics Agents belonging to system or database.

Function	Type of Change	Description
New guided procedures	New	The following guided procedures allow you to analyze and resolve the corresponding alert. They can be processed manually or automatically from advanced event and Alert Management in the context of an alert. They can be used as a template for customer-specific guided procedures.
<a href="#">ARP ABAP Instance Not Available</a> guided procedure	New	Alert resolution procedure to analyze and resolve ABAP instance availability alerts.
<a href="#">ARP JAVA Instance Not Available</a> guided procedure	New	Alert resolution procedure to analyze and resolve Java instance availability alerts.
<a href="#">ARP HDB Database Unavailable / Service Unavailable</a> guided procedure	New	Alert resolution procedure to analyze and resolve SAP HANA Database or DB service availability alerts.
<a href="#">ARP ASE Database Availability</a> guided procedure	New	Alert resolution procedure to analyze and resolve ASE database availability alerts.
<b>Real User Monitoring</b>		
SLA Alerts	New	You can create Service Level Agreement (SLA) alerts based on public cards or on cards that you have created on your own.
Alerting with flexible scheduling frequency		You can create alerts with flexible scheduling frequency and time range selection.
Setup: Temporary switch off data collection		You can switch off data collection temporarily and switch it on later again.
Integration with Simple System Integration (SSI)		SSI tools can be used to change passwords. After landscape changes an automatic reconfiguration is executed.
SAP Cloud Platform support		Integration of SAP Cloud Platform for requests of type http(s) and SAPUI5 and SAP Fiori.
<b>Trace Analysis</b>		
SAP Cloud Platform Trace	New	E2E Trace functionality for actions triggered in SAP Cloud Platform with on-premise requests.
SAP HANA trace and expensive statement trace		After additional manual configuration, SAP HANA traces and expensive statement traces can be collected with E2E Trace.

## 1.4 What's New in Focused Run 1.0, FP 1

The following new features have been introduced with Focused Run 1.0, feature pack 1 (FP 1):

- Advanced Integration Monitoring
- Guided Procedures
- Guided Procedure Content
- Maintenance Certificate
- Expert Scheduling Management

In the following table, you find information about new and changed functions that have already been delivered in the initial version of Focused Run:



Function	Type of Change	Description
Configuration and Security Analytics		
Collector Framework Admin	New	Inbound Queue Processor (wait times, application data processing, data volume) Monitor
Validation	Changed	The new attribute system_roles allows to pin a check to a specific system role. Enables to define checks, for example, for production or sandbox systems only.
Validation	Changed	ABAP SAP Notes checking has been advanced. If an SAP Note is not applied, this check allows to define the SAP Note software dependencies within the policy. This enables the validation to determine systems in which an SAP note is missing, which should have been implemented.
System Analytics		
Custom Dashboards	New	You can create your own dashboards.
Maintenance Planner		
Applying Java patches without system updates	New	It is now possible to download Java patches for individual components without any system update or upgrade.
View release information notes	New	You can now view release and information notes for product version – support package stack from maintenance planner tool directly. Release and information notes are displayed for source as well target product versions – support package stack
Check SAP Security Notes	New	While planning any changes in maintenance planner, you can check and download a list of relevant SAP Security Notes.
Integrated utilities	New	Various utilities are integrated into a single tool. It now offers a new feature to export a list of all downloads to a spreadsheet application.

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