Release Notes

Version 5.0

Note:

Before using this information and the product it supports, read the information in “Notices” on Page 10.

Edition Notice

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Congratulations on your purchase of FixStream's Meridian. Meridian provides a comprehensive operational correlation, analytics and visualization platform to manage and optimize cloud datacenters with near real-time insights from business transactions to applications to infrastructure in order to:

- Deliver new services and business enablement quickly
- Improve the customer experience and increase up-time
- Optimize resources and reduce infrastructure costs
- Reduce costs associated with producing compliance reports

Version

VERSION	RELEASE DATE
5.0	**May 26, 2017**

Why Install this Version

Summary

Meridian 5.0 introduces a number of significant new features and enhancements.

1. UI enhancements
    a. Dashboard
        i. New role-based dashboard with business process and applications summary panels
        Dashboards can be customized for Administrator, Business Operations, Application Operations and Infrastructure Operations.
        ii. Network/Compute Health History widgets
        Computed aggregated health score for network and compute entities
        iii. Top N (CPU/Disk/Memory Utilization, Reachability) widgets
        List entities requiring the most attention
        iv. Customizable layout by user
        Several layout patterns available
    b. Topology Overlays
        i. Ticket Overlay
        Added to faults, alerts and logs overlays, a new overlay allows viewing if an entity has tickets open against it.
        ii. Overlay by group, application and business service
        In addition to viewing overlays by platform, vendor or entity type, new overlays were added to view them by device group and application to further assist in troubleshooting.
    c. Topology Layout options
        i. Default, mirrored

The mirrored layout allows viewing larger infrastructure than using the default layout

2. New features
    a. Transaction Monitoring
        i. Tomcat, WebLogic, WebSphere, JBoss
        A FixStream Business Transaction Correlator installed on the above application servers can detect business transactions and associate them with applications and infrastructure.
    b. Time-Series Event Correlation
        i. DVR-like playback of fault/alerts
        Collected time-series data allows Meridian to play back alert sequences back in time to better understand how an alert or a series of alerts evolved over time.
    c. Dynamic Device Grouping
        i. Based on user-defined rules
        Discovered entities are automatically assigned to a device group matching one of these rules. This is very useful when viewing fault and performance overlays by device group.
    d. Customer-defined fields
        i. Data model extensions to enrich device inventory data
        Meridian's data model for devices can be extended with additional attributes which may be populated either manually or via Meridian's REST API.
    e. Customer Logo Setting
        Allows logo setting by the user
3. New device support
    a. Compute
        i. vCenter Capacity Utilization Monitoring (global resources)
        ii. Docker Containers
    b. Network
        i. Firewalls: Fortinet Fortigate
        ii. Load Balancer: Citrix NetScaler
        iii. Switches: HP Procurve, HP 3Com, Dell Powerconnect
    c. Storage
        i. Cisco MDS, HPE 3PAR
    d. Application Services
        i. Microsoft IIS, Active Directory
    e. Applications
        i. Oracle ERP
    f. Databases
        i. MS SQLServer, PostgreSQL, MongoDB
    g. Notifications
        i. Slack support using Chatbot technology
4. ITSM integration
    a. ServiceNow Auto-Ticketing (bi-directional)
        i. Meridian detects an alert and creates a ticket in ServiceNow
        ii. Meridian detects and displays tickets created in ServiceNow
        iii. Close a ticket in Meridian or read closure from ServiceNow
    b. ServiceNow CMDB Update
        i. Meridian updates ServiceNow CMDB
    c. OTRS Ticketing System Integration (bi-directional)
        i. Similar to ServiceNow ticketing
5. Hybrid cloud support

   a. Discovery of AWS instances with connectivity to on-premises application maps
   b. Monitoring of AWS resources using AWS CloudWatch
6. Internal enhancements
   a. RHEL/CentOS 7.x Support (Validated on 7.3)
   b. Platform Hardening including to improve performance and stability
   c. Diagnostic and Troubleshooting Data Collection for Enhanced Support

Enhancements

The following table lists the feature enhancements in Meridian 5.0 release.

ID	Description
7430	Auto closure of tickets in ServiceNow: Automatically close tickets created by Meridian in ServiceNow when fault or alert is cleared.
7429	Counter to generate ticket: Minimum number of alerts required to raise a ticket in ServiceNow can be set.
7427	Announcement section where admin can post critical messages to the user community.
7426	Create task to hide / delete device if it is unreachable for past "X" hours or automatically hide / delete it.
7425	Report for "Application and Device Group Health" can be exported.
7424	Dashboard Widget for Device Group to display device group health.
7423	Event Correlation for Device Group
8101	Adoption to RHEL7.3
7951	Added Health tab in reports
7931	Info tool tip for severity, Ticket Read, Ticket Write, Ticket close and Alert count fields
8540	Support for Solaris Java agent installation
7749	Alert handling generates alert / clean alert from performance API
8210	Redesign of Event Center page
8211	Added scroll bar in Event Correlation tab
8212	Added Device list for Fault and Alert overlay in Topology
8209	Added Data Collection viewpoint
7975	Added HP Procurve Switch
7910	Inode Utilization
7911	Top OS processes with high CPU and Memory usage
7861	Meridian agent SNMP traps are sent over UDM
7789	Performance improvement in the Performance page for Interfaces
7315	Report status on SSL certificates
7068	Added Export table functionality for all the tables and details in description
7069	Event screen enhancement: Based on the sub-tab selection, the widget will be highlighted in an orange color

9026	Zoom in, zoom out and zoom to fit functionality and icons are added in the Topology

Table 1. Enhancements in Meridian 5.0

New Customer Installation

For step-by-step installation instructions, please refer to the ***Meridian 5.0 Installation Guide***.

Existing Customer Installation

The following Meridian upgrades are supported.

If you have Release…	Then, you may upgrade to Release…
4.6.4	5.0
4.8.2	5.0

Known Issues

The following table lists open issues which may cause unexpected behaviour in Meridian 5.0.

ID	Description
8123	Hidden devices are still reflecting in 'Service Availability' tab.
8624	Already completed discovery schedules are showing up in 'In-progress' tab.
8038	Traps are showing even when device is blocked and notification mail is also coming.
7837	CPU utilization left panel is showing alert color whereas the value is under the threshold limit
7053	Duplicate Device ID is displayed in Elasticsearch for the same device (Hostname changed and rediscovered)
7037	Discovery Records: Sorting on Name, Startdate, Job status, Status are not working

Table 2. Known Issues in Meridian 5.0

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