xStream App Director Release Notes: R3.0 Beta

Notations of Functionality Provided in this Release
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This third generation of xStream App Director Module with xStream Automation Pack for SAP further extends Virtustream’s leadership in managing large, complex data enterprise applications in the cloud to drive costs out of application spending that would traditionally go to maintenance. Its powerful automation framework allows customers to schedule and perform complex and tightly coordinated actions to manage enterprise applications with enhanced orchestration and system monitoring controls, configuration management, and easier deployment.

This release of xStream App Director further extends controls for managing SAP NetWeaver-based systems, as well as both virtual and physical HANA databases, and provides new controls for managing virtual machines.

New Features

Navigation Features

This release of xStream App Director 3.0 Beta introduces the Launchpad: a Tile-based responsive interface allowing customers to launch automations, which are grouped logically by major functional area into the following Cockpits:

- Budgeting and Reporting
- Technical Account Management (TAM) Reporting
- Operations and Administration
- Compliance and Security

New SAP-Related Features

Application lifecycle automation for SAP provided in xStream App Director 3.0 Beta, includes:

- Onboarding checklists for SAP/HANA systems
- List of running processes of SAP components
- SAP and DB license expiration check
- Comparison of system configurations across multiple SAP landscapes
- SAP systems start and stop
- Tracking of changes to SAP profile parameters
- SAP kernel information
- SAP kernel patch automation
- SAP ABAP system isolation (pre-maintenance)
- SAP ABAP system copy
- SAP password reset
- Lockout of SAP users
* SAP startup and shutdown logs
* Production of a final validation report for a HANA system after onboarding before handing the system over to steady state support

New Non-SAP Application Lifecycle Features

Application lifecycle automation involving more than SAP is also provided in xStream App Director 3.0 Beta, including:

* TAM reporting
* Reporting of tickets for incidents, changes, and service requests
* Viewing Hypervisor startup and shutdown logs
* Support for SLES11
* Configuration of an Operating System (Host) via YAML Blueprint
* Management of virtual machines (VMs) by:
  * Monitoring Cloud consumption per Tenant, per VM, and per cluster
  * Viewing logs of:
    * Changes to VM configurations
    * VM snapshot creation and deletion
    * VM starts and stops
  * Viewing VM audit and event details
  * Viewing the µVM capacity of a cluster
  * Viewing continually monitored µVM consumption statistics
  * Viewing reports of all VMs in a running, stopped, or critical state
  * Viewing configuration status and last execution status of backups by VM
  * Monitoring systems to identify any that are:
    * Exceeding their average Micro VM (µVM) utilization
    * Memory ballooning / disk utilization / CPU / µVM

Known Issues

The following are Known Issues (errata) in xStream App Director 3.0 Beta:

* TAM Reporting features have the following Known Issues:
  * TAM reports may not quickly or reliably load full, correct data when a large amount of data is available, or if the list of VMs is long.
  * TAM reports for Virtustream Internal users times out because API call takes longer than three minutes.

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1 Service Provider functionality with OpSmart dependency and only in Virtustream IaaS
- Backup retention section of TAM Reports does not take into account the Start Date when filtering the records of backups to display.
- VM Performance Metrics section of TAM Reports return the same result for different periods, rather than according to the selected date range.

* VM Backup status does not display properly in Firefox or IE 11.

**Known Limitations**

This release of xStream App Director 3.0 Beta, includes support for the following operating systems and releases:

<table>
<thead>
<tr>
<th>Area</th>
<th>Products</th>
<th>Supported Releases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Systems</td>
<td>Linux RedHat (RHEL)</td>
<td>6.0</td>
</tr>
<tr>
<td></td>
<td>Suse (SLES)</td>
<td>11.0 to 12.0</td>
</tr>
<tr>
<td>Cloud Services</td>
<td>Virtustream xStream</td>
<td>4.2, SP1</td>
</tr>
<tr>
<td>Controlled Applications</td>
<td>SAP NetWeaver ABAP</td>
<td>7.4</td>
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<tr>
<td></td>
<td>SAP ASE</td>
<td>15.7 or higher</td>
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<tr>
<td></td>
<td>SAP HANA Platform</td>
<td>Edition 1.0 SPS08 Rev. 82 or higher</td>
</tr>
<tr>
<td></td>
<td>VMware vSphere</td>
<td>5.5 to 6.0</td>
</tr>
<tr>
<td></td>
<td>OpSmart (within Virtustream IaaS)</td>
<td>V4, Release 97</td>
</tr>
</tbody>
</table>

**Deprecated Functionality**

None.