



Release Notes

Version: 2020.3.0 FP6

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Preface

Revision History

Revision	Description	Date
1.0	New Release of AppViewX v2020.3.0 FP6	August 2021

Text Conventions

The following text conventions are used in this document:

Convention	Description
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>codeblock</code>	Indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Chapter 1: Purpose

This release document accompanies AppViewX v2020.3.0 Fix Pack (FP6) releases. All the customer requests such as feature requests, enhancements, bug fixes, known behaviors, and known issues are handled via monthly maintenance release called as fix pack (FP). All the below listed tickets are regressed and packaged as part of the FP6 release.

Chapter 2: Intended Audience

- Existing customer who is installed AppViewX v2020.3.0 with FP1 or FP2 or FP3 or FP4 or FP5.
- Migration customers from AppViewX v2012.X.X, v2019.1.0, v2019.1.1, v2019.1.2, and v2019.4.0.
- New customers, who is onboarding to AppViewX v2020.3.0 can directly apply FP6 patch.

Chapter 3: Install Patch

For detailed instructions, refer to [Apply Patch documentation](#) for applying Patch.

Chapter 4: OS Upgrade

For detailed instruction to upgrade the OS, refer to [CentOS/Redhat Upgrade Guide](#).

Chapter 5: Feature Requests

Feature Requests are additional feature/functionality that to be built the AppViewX v2020.3.0 application. It is suggested by customer/user to improve the functionality of AppViewX application. This section lists the change requests in AppViewX v2020.3.0 for the CERT+, ADC+, DEVOPS, Platform, Security, SSH, Architecture, Analytics, and Automation modules.

ADC+ OOB

This table lists feature request done in the ADC+ OOB module.

Case/ Ticket number	Catalog and Workflow Name	Fix Description
APEADC 2231	F5 BIG-IP GTM:Create - Create F5 GTM WideIp	User can use the workflow to create WideIp object on the F5 devices managed in the Inventory.
	F5 BIG-IP GTM:Create - Create F5 GTM WideIp with Service Now	User can use the workflow to create WideIp object on the F5 devices managed in the Inventory and Integrate the request in the Service Now.
	F5 BIG-IP GTM:Create - Create F5 GTM WideIp with multiple Pools	User can use the workflow to create WideIp object with multiple pools on the F5 devices managed in the Inventory.
	F5 BIG-IP GTM:Create - Create F5 GTM WideIP with Topology	User can use the workflow to create WideIp object with Topology on the F5 devices managed in the Inventory.
	F5 BIG-IP GTM:Create - Create F5 GTM WideIP with Topology and Partition	User can use the workflow to create WideIp object with Topology on the F5 in a specific Partition.
	F5 BIG-IP GTM:Modify - Modify F5 GTM WideIp	User can use the workflow to Modify WideIp object's properties on the F5 devices managed in the Inventory.
	F5 BIG-IP GTM:Delete - F5 BIG-IP GTM:Delete	User can use the workflow to delete WideIp object on the F5 devices managed in the Inventory.

Case/ Ticket number	Catalog and Workflow Name	Fix Description
	F5 BIG-IP LTM:Create - Create F5 LTM VIP	User can use the workflow to create Virtual Server object on the F5 devices managed in the Inventory.
	F5 BIG-IP LTM:Create - Create F5 LTM VIP with Service Now	User can use the workflow to create VirtualServer object on the F5 devices managed in the Inventory and Integrate the request in the Service Now.
	F5 BIG-IP LTM:Create - Create F5 LTM VIP with DNS	User can use the workflow to create VirtualServer object on the F5 devices managed in the Inventory and Integrate the request in the Infoblox (DNS) in Appviewx Menu-> Inventory- >Devices->Others.
	F5 BIG-IP LTM:Create - Create F5 LTM iRule	User can use the workflow to create iRules in the F5 devices managed in the Appviewx Inventory
	F5 BIG-IP LTM:Create - Create F5 LTM VIP Basic	User can use the workflow to Create Virtual Server on the F5 devices Managed in Appviewx Inventory.
	F5 BIG-IP LTM:Create - Create F5 LTM VIP Advanced	User can use the workflow to Create Virtual Server, its additional properties on the F5 devices Managed in Appviewx Inventory.
	F5 BIG-IP LTM:Create - Create F5 LTM VIP with Partition	User can use the workflow to Create Virtual Server on the F5 devices in a Specific Partition.
	F5 BIG-IP LTM:Create - Create F5 LTM Monitors	User can use the workflow to Create Monitor in a F5 device Managed in Appviewx Inventory.
	F5 BIG-IP LTM:Create - Create F5 LTM Monitors - Multiple Devices	User can use the workflow to Create Monitors in Multiple F5 Managed in Appviewx Inventory.
	F5 BIG-IP LTM:Create - Create F5 LTM Multiple VIP	User can use the workflow to Create Multiple Virtual Server on the F5 Managed in Appviewx Inventory.

Case/ Ticket number	Catalog and Workflow Name	Fix Description
	F5 BIG-IP LTM:Modify - Modify F5 LTM VIP Advanced	User can use the workflow to Modify Virtual Server object's properties on the F5 devices managed in the Inventory.
	F5 BIG-IP LTM:Modify - Enable and Disable F5 LTM Pool Members	User can use the workflow Enable/Disable Pool members associated the Virtual Server.
	F5 BIG-IP LTM:Modify - Disable Unused F5 LTM VIP	User can use the workflow to get a report of Unused Virtual Servers in F5 Managed in Appviewx Inventory and Disable the objects in the F5 device.
	F5 BIG-IP LTM:Modify - Manage F5 LTM Pool members	User can use the workflow to change the properties of the pool member for a given Virtual Server. The workflow request can be Integrated with Service Now.
	F5 BIG-IP LTM:Modify - Manage F5 LTM Pool members with Service Now	User can use the workflow to change the properties of the pool member for a given VirtualServer. The workflow request can be Integrated with Service Now.
	F5 BIG-IP LTM:Modify - Manage F5 LTM Data groups	User can use this workflow to Modify Existing data groups and export data groups from the F5 Device Managed in Appviewx Inventory.
	F5 BIG-IP LTM:Delete - Get Unused LTM VIP and Delete	User can use the workflow to get Unused Virtual server on the F5 devices Managed in the inventory and delete those.
	F5 BIG-IP LTM:Delete - Delete F5 LTM VIP with Service Now	User can use the workflow to Delete VirtualServer object on the F5 devices managed in the Inventory and Integrate the request in the Service Now
	F5 BIG-IP LTM:Delete - Delete F5 LTM VIP Advanced	User can use the workflow to Delete Virtual server and its associated objects.

Case/ Ticket number	Catalog and Workflow Name	Fix Description
	F5 BIG-IP LTM:Delete - Disable and Delete Unused F5 LTM VIP	User can use the workflow to get a report of Unused VirtualServers in F5 Managed in Appviewx Inventory and Delete the objects in the F5 device.
	F5 BIG-IP LTM:Delete - Delete F5 LTM VIP - Basic	User can use the workflow to delete VirtualServer object on the F5 devices managed in the Inventory
	Reports - F5-CPU and TMM Report	User can use the workflow to get CPU and TMM report of the F5 devices managed in the Appviewx Inventory
	F5 BIG-IP Reports - Get Unused LTM VIP and Notify	User can use the workflow to get a report of Unused VirtualServers in F5 Managed in Appviewx Inventory. Report can be sent to specific mail-Id. The Workflow will be in Disabled state by default. User can enable it.
	F5 BIG-IP Reports - F5 LTM and GTM node Report	User can use the workflow to get a report listing the GTM node and LTM node details to specific Mail-Id.
	F5 BIG-IP Reports - F5 SSL Certificate expiry Report	User can use the workflow to get F5 LTM certificate expiry report to specific mail ID. Fetches certificates that are going to expire in 30, 60, 90 days.
	Infoblox IPAM:Create - Create Infoblox DNS records - Advanced	User can use the workflow to Create A, HOST, PTR, CNAME, TXT, MX records in Infoblox device Managed in Appviewx Inventory.
	Infoblox IPAM:Modify - Modify Infoblox DNS record - Advanced	User can use the workflow to Modify A, HOST, PTR, CNAME, TXT, MX records in Infoblox device Managed in Appviewx Inventory.
	Infoblox IPAM:Modify - Modify Infoblox DNS records	User can use the workflow to Modify A, HOST, PTR,CNAME,TXT,MX records in Infoblox device Managed in Appviewx Inventory. The workflow also fetches records based on app name.

Case/ Ticket number	Catalog and Workflow Name	Fix Description
	Infoblox IPAM:Delete - Delete Infoblox DNS records - Advanced	User can use the workflow to Delete A, HOST, PTR, CNAME, TXT, MX records in Infoblox device Managed in Appviewx Inventory.
	Infoblox IPAM:Delete - Delete Infoblox DNS records	User can use the workflow to Delete A, HOST, PTR, CNAME, TXT, MX records in Infoblox device Managed in Appviewx Inventory. The workflow also fetches records based on app name.
	Bluecat IPAM:Create - Create Bluecat DNS records	User can use the workflow to Create A, HOST, PTR, CNAME, TXT, MX records in Bluecat device Managed in Appviewx Inventory.
	Bluecat IPAM:Modify - Modify Bluecat DNS records	User can use the workflow to Modify A, HOST, PTR, CNAME, TXT, MX records in Bluecat device Managed in Appviewx Inventory.
	Bluecat IPAM:Delete - Delete Bluecat DNS records	User can use the workflow to Delete A, HOST, PTR, CNAME, TXT, MX records in Bluecat device Managed in Appviewx Inventory.
APEADC 2254	F5 BIG-IP System:Compliance - F5 BIG-IP Golden Config Compliance	User can use the workflow to run compliance check on Managed F5 devices and remediate the parameters that are non-compliant.
APEADC 2255	F5 BIG-IP System:Compliance - Fetch F5 BIG-IP CVEs	User can use the workflow (Managed in Appviewx) to get CVE published in the site https://cve.mitre.org/ .
APEADC 2255	F5 BIG-IP System:Compliance - F5 BIG-IP CVE Reporting	The Visual workflow collects the report based on the CVE ID published and the affected F5 devices in the Inventory for the CVEs.
APEADC 2238	F5 BIG-IP System:Software Upgrade - Software upgrade on HA F5 devices	User can use the workflow to upgrade HA F5 (Managed in Appviewx) from one version to another version.

Case/ Ticket number	Catalog and Workflow Name	Fix Description
APEADC 2239	F5 BIG-IP System:Software Upgrade - Software upgrade on Standalone F5 devices	User can use the workflow to upgrade Standalone F5 from one version to another version.

Chapter 6: Enhancements

This section lists the enhancements in AppViewX v2020.3.0 for the CERT+, ADC+, DEVOPS, Platform, Security, SSH, Architecture, and Automation modules.

ADC+

This table lists enhancement done in the ADC+ module.

Case/Ticket number	Fix Description
SWAT-2187	Persistence connection table is showing pool name instead of pool member IP address.
SWAT-3460	Provision to add Host, Profile and URI values while configuring Clear RAM cache Action in Application Widget.

Automation+ Visual Workflow

This table lists enhancement done in the Automation+ Visual Workflow module.

Case/Ticket number	Fix Description
SWAT-2924	RBAC select, all option is not working while giving permissions to the workflow.

CERT+

This table lists enhancement done in the CERT+ module.

Case/Ticket number	Fix Description
SWAT-4007	CSR submission failure post enabling HSM.
SWAT-4192	Apache (Linux) device addition using SSH is failing.
SWAT-4288	DigiCert Notice of ICA Changes.
SWAT-4622	Enroll page auto populates with AppViewX CA even if the setting is not added.

Platform

This table lists feature request done in the platform.

Case/Ticket number	Fix Description
SWAT-3618	AppViewX Security Issue - Increase Password characters from 'Six' to 'Eight'.

Chapter 7: Bug Fixes

This section lists the resolved bugs in AppViewX v2020.3.0 for the CERT+, ADC+, DEVOPS, Platform, Security, SSH, Architecture, and Automation modules.

ADC+

This table lists the resolved bugs in the ADC+ module.

Case/Ticket number	Fix Description
SWAT-999	Problems after F5 Big IP GTM v13 to v14 upgrade Issue is status Fetch of GTM pool member objects.
SWAT-1620	Control center - Object id's of previous actions is not cleared from cache in the UI.
SWAT-3426	Incorrect pool display.
SWAT-3728	AVI tenant parsing issue.
SWAT-4233	Status fetch is not happening for all GTM devices of version 15.1.2 in AppViewX.
SWAT-4256	Disable action on wide-ip failing.
SWAT-4448	AVX not showing all VIP Pools referenced via rule.
SWAT-4499	Script failure in Pre-Prod Upgrade from v2019.3.0 to v2020.3.0

Automation+ Visual Workflow

This table lists the resolved bugs in the AppViewX Automation+ Visual Workflow.

Case/Ticket number	Fix Description
APWF-855	Predefined (locked) sub flows are not being opened after cloned.
APWF-1715	Multiple import of playbooks and banner message missing.
APWF-1747	Option to extract complete API info for the workflow including the URL and session id calls.
APWF-2231	Unable to edit local copy of the Hooks associated to Advanced diff pallet.
APWF-2245	Issue in Grid report (in CSV) download and data format.

Case/Ticket number	Fix Description
APWF-2332	Get in progress tasks details API not gives any task details in response.
APWF-2860	Store option is empty for new user and admin.
APWF-2914	Ansible device addition failed, fails at version check.

Architecture

This table lists the resolved bugs in the Architecture module.

Case/Ticket number	Fix Description
SWAT-3563	Upgrade - Issue in License activation.

CERT+

This table lists the resolved bugs in the CERT+ module.

Case/Ticket number	Fix Description
SWAT-3980	DigiCert API Configuration Issue.
SWAT-3909	DigiCert - Certificate Revocation with same order ID.

Platform

This table lists the resolved bugs in the Platform module.

Case/Ticket number	Fix Description
APEPLATFORM 1490	Audit logging took 103 Seconds response time intermittently.
APEPLATFORM 1582	Hide Welcome Page upon AppViewX login.
SWAT-3499	Script execution widgets are not working in PROD.
SWAT-4400	AVX logged me in as a different user.

Pages

This table lists the resolved bugs in the AppViewX Pages.

Case/Ticket number	Fix Description
SWAT-4283	Default landing page throws unauthorized access for HTML widgets for "View" only users after FP5.

Install and Upgrade

This table lists the resolved bugs in the AppViewX install and upgrade.

Case/Ticket number	Fix Description
SWAT-2551	2020.3.0 Alternate to removing Docker images on HDD consumption.

Chapter 8: Story

This section lists the Story in AppViewX v2020.3.0 for the CERT+, ADC+, DEVOPS, Platform, Security, SSH, Architecture, and Automation modules.

ADC+

This table lists the stories in the AppViewX ADC+ module.

Case/Ticket number	Fix Description
APEADC-1244	Widget Abstraction - Application Widget into Pages for customization.
SWAT-4283	Default landing page throws unauthorized access for HTML widgets for "View" only users after FP5.

Automation+ Visual Workflow

This table lists the stories in the AppViewX Automation+ Visual Workflow.

Case/Ticket number	Fix Description
APWF-1747	Option to extract complete API info for the workflow including the URL and session ID calls.
APWF-1763	Provision for advanced code logger into ELK.
APWF-1981	Support to enable Async script execution in script palette.
APWF-2072	Show/hide request logs in request page.
APWF-2254	Dev - OOB Integration and OOB Review Works.
APWF-2277	Dev- OOB review items.
APWF-2515	RBAC control - Manage catalog and preference.

Chapter 9: Known Issues

This section lists the known issues in AppViewX v2020.3.0 for the CERT+, ADC+, DEVOPS, Platform, Security, SSH, Architecture, and Automation modules.

ADC+ OOB

This table lists the known issues in the ADC+ module.

Case/Ticket number	Fix Description
APWF-2446	Visual Workflows relies on a Module "CommanRepo", to communicate with F5 device. Sometimes the commandRepo returns Empty response to the Visual Workflow, post communicating with device. This results in incorrect/No data shown in Visual Workflow.
APEADC-2255	F5 BIG-IP CVE Reporting - CVE scan report do not includes modules AFM, ASM in F5.
APEADC-5112	Modify Blue cat DNS records - If the User provided Input - Record Name has space in it, the record will not be created in the Bluecat Device, due to encoding issue.

Platform

This table lists the known issues in the Platform module.

Case/Ticket number	Fix Description
IU-824	After fresh deployment noticed "calico-kube-controllers" pod in "0/1" State.

Chapter 10: Known Limitations

This section lists the known limitations in AppViewX v2020.3.0 for the CERT+, ADC+, DEVOPS, Platform, Security, SSH, Architecture, and Automation modules.

ADC+ OOB

This table lists the known limitations in the ADC+ module.

Case/Ticket number	Fix Description
APEARCH-1356	Visual Workflows relies on a Module "CommanRepo", to communicate with F5 device. If the devices are managed using the option "FQDN", the CommandRepo module communication to F5 fails. Support for FQDN based communication is currently not available. Hence Visual Workflow do not work on F5 devices managed using FQDN.
APEADC-2231	Get unused LTM VIP to delete and disable the unused F5 LTM VIP. If the Discovered Number of Unused objects are more than 200, then workflow must run only when load in appviewx is less.
APEADC-2231	All GTM, LTM workflows parses and writes objects only in "Common" Partition of the F5 Device. Workflows that have "Partition" in their Name support all available partition in F5.
APEADC-2238	Software upgrade on HA F5 devices - User has to move the ISO files Manually from their Computer to Appviewx Installed VM.
APEADC-2239	Software upgrade on Standalone F5 devices - User has to move the ISO files Manually from their Computer to Appviewx Installed VM.