



Release Notes

Version: 2022.1.0 FP2 (SaaS)

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Preface

Revision History

Revision	Description	Date
2.1	Added a new ticket in the platform module section.	January 2023
2.0	Added the what's new section.	January 2023
1.0	AppViewX_v2022.1.0 FP2 (SaaS) Release Notes.	December 2022

About this Guide

This release document accompanies AppViewX v2022.1.0 Fix Pack 2 (FP2) releases. All the customer requests such as feature requests, enhancements, bug fixes, Stories, known issues, and known behaviors are handled via monthly maintenance release called as fix pack (FP). All the below listed tickets are regressed and packaged as part of the FP2 release.

Intended Audience

- Customers who migrates from AppViewX v2021.1.0 FP3 to AppViewX v2022.1.0 FP1.
- Customers who migrates from AppViewX v2022.1.0 to AppViewX v2022.1.0 FP1.
- Customers who migrates from AppViewX v2022.1.0 FP1 to AppViewX v2022.1.0 FP2.
- New customers who on-boards to AppViewX v2022.1.0 FP2.

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: What's New Section

This section lists the new features in AppViewX v2022.1.0 FP2 for the SaaS modules.

Platform

Introduced the One AppViewX SaaS Platform, which allows you to access all the AppViewX products such as CERT+ , PKI+, and ADC+ from one platform.

ADC+ in AppViewX Plan

ADC+ is now available at AppViewX SaaS platform as a new beta product. It allows you to manage and automate your application delivery infrastructure across the multi-vendor and hybrid cloud.

Using ADC+, you can enable self-service automation and orchestration to:

- Ensure application availability and access
- Deliver more security applications
- Create and enforce policies to meet compliance requirements.

New Getting Started Menu

Added a new Getting Started menu, which directs to the Getting Started page of an AppViewX product. This feature simplifies user on-boarding and getting started with the AppViewX product. From the Getting Started page, you can,

- Get to know the four critical things to start using any product line within AppViewX.
- Explore key solutions that can ease your current process.
- Get quick access to the downloads and documentations.

Chapter 2: Feature Request

Feature Requests are additional feature/functionality that to be built the AppViewX v2022.1.0 FP2 application. It is suggested by customer/user to improve the functionality of AppViewX application. This section lists the change requests in AppViewX v2022.1.0 FP2 for the SaaS modules.

Architecture

This table lists the feature requests in the AppViewX architecture module.

Case/Ticket Number	Description
ARCH-5128	Cron jobs enablement based on license.

Platform

This table lists the feature requests in the AppViewX Platform module.

Case/Ticket Number	Description
PLATFORM - 7190	Accept Multi SKU License.
PLATFORM - 7183	Provision in Platform to show the respective license metrics (ADC, CERT, and PKI) based on product activated and license type applied.
PLATFORM-7239	While selecting a credential from the device Credential type, the credential list must be sorted alphabetically.
APEPF-678	Develop product based welcome page, menu, and ACF tree for the application.
APEPF-710	Develop the product specific upgrade page.

Pages

This table lists the feature requests in the AppViewX Pages module.

Case/Ticket Number	Description
PAGES-2613	Implement each product's "Get Started" page.
PAGES-2661	Implemented the "Contact Us" feature in the application.

Chapter 3: Enhancements

This section lists the enhancements in AppViewX v2022.1.0 FP2 for the SaaS module.

Platform

This table lists the feature requests in the AppViewX Platform module.

Case/Ticket Number	Description
Platform-6031	License enhancements.
Platform-3085	Device based Licensing for ADC and new CERT metrics (License Cleanup and Enhancement).

Chapter 4: Bug Fixes

This section lists the resolved bugs in AppViewX v2022.1.0 FP2 for the CERT+ SaaS module.

CERT+ SaaS

This table lists the bug in the AppViewX CERT+ SaaS module.

Case/Ticket Number	Description
CERT-29653	In case of multiple CCs without reachability between the CCs, the AEP agent status will be shown as failed.
CERT-29927	If a customer migrates AppViewX product from AppViewX v2020.3.0 FP10 to v2022.1.0 FP1, do the steps as follow: <ul style="list-style-type: none">• Delete all the Amazon CA settings before migration.• Do the config fetch for all cloud accounts after migration from AppViewX v2020.3.0 FP10 to v2022.1.0 FP1.

Platform

This table lists the bug in the AppViewX Platform module.

Case/Ticket Number	Description
SAAS-12306	Need to provide the cluster creation credentials instead of S3 credentials in Create and Modify EFS entry.

Chapter 5: Story

This section lists the Story in AppViewX v2022.1.0 FP2 for the SaaS modules.

ADC+ SaaS

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

Case/Ticket Number	Description
ADC-8904	<ul style="list-style-type: none">• ADC SaaS: F5, AVI, and Nginx plus - End to End life cycle management enablement.• Enterprise Grade ADC SaaS for Management, Visibility, Self-service, Automation, and Orchestration of Application Delivery services across F5 (v13.0 to v16.0), AVI (v20.0, v21.0), and Nginx plus (v23.0 to v27.0).
Centralised Control and Management	<ul style="list-style-type: none">• Centralized Multi-vendor management of ADC's (LB, GSLB, and DDI).• Configuration Management and Access Control (RBAC).
Application Visibility and Self Servicing	<ul style="list-style-type: none">• App-centric Visibility and One touch Self Servicing.• Monitor and Troubleshoot Application Issues.
Traffic Management and Blue Green deployment (BCPS)	<ul style="list-style-type: none">• Traffic Management and Routing of Application traffic.• Blue/Green Swing, Canary Application Deployment .
Compliance and Patch Management	<ul style="list-style-type: none">• Configuration Backup, Compare, and Restore.• Automated F5 BIG-IP Configuration Compliance, Drift, and Reporting.• Automated F5 BIG-IP CVE, Patch Management/Firmware upgrades.
Self-Service Automation	<ul style="list-style-type: none">• Application provisioning & Configuration automation across F5 and AVI.• IP Allocation, DNS Record automation across Infoblox, and Bluecat.

CERT+ SaaS

This table lists the stories in the AppViewX CERT + SaaS module.

Case/Ticket Number	Description
CERT-26671	Data migration for the standalone cloud accounts from the AppViewX v2020.3.0 FP8 to AppViewX v2022.1.0 FP1.
CERT-27720	Windows Tomcat - Support for key store file path with variable
CERT-22465	AppViewX older version to AppViewX v2022.1.0 - Thycotic Server Integration
CERT-26417	Security Fix Porting - Misc group projects, vendor project fixes and ACF use-case mapping for Ecosystem VS
CERT-26232	Enabled an entrust ECS CA support for ACME, EST, SCEP, and SCEP Intune protocol services.
CERT-21851	Enabled the Digicert CERT central CA support for EST protocol services.
CERT-21867	Enabled the Digicert CERT central CA support for SCEP protocol services.
CERT-19416	Digicert - the CERT central CA enablement for MS Intune services.
CERT-26221	Enabled an amazon PCA support for EST and SCEP Intune protocol services.
CERT-23053	Enabled an amazon private CA services for SCEP services.
CERT-28971	CertSync Operation License Enforcement - When a user adds or modifies a device configuration, the CertSync operation fetches the certificates associated to the device.
CERT-30006	License Enforcement - Change Status
CERT-29001	License Enforcement - Other scenarios identified post engineering impact analysis.
CERT-31281	License Enforcement - Certificate Discovery.
CERT-26751	Enhancement in cloud addition to support Private CA (Cross Account). Extended the support to ACM Private CA services as part of cloud account on-boarding.
CERT-26761	Enhancement in certificate authority section for Private CA (Standalone). Implemented the new functionalities such as Instant Certificate Discovery, Scheduled Sync, and Operational modes.
CERT-26771	Enhancement in certificate authority section for Private CA (Cross Account). Implemented the new functionalities such as Instant Certificate Discovery, Scheduled Sync, and Operational modes.
CERT-26792	Support for CA Switch - Switch from other CA to Amazon Private CA.

Case/Ticket Number	Description
CERT-26814	Certificate discovery improvements for Private CA in CA discovery section. To perform certificate discovery scan for the issuers of the Private CA with other CA discovery process capabilities in AppViewX.
CERT-27049	Enhancement in certificate enrolment page for Private CA.
CERT-20433	To Map the procedures to the Certificate type in Nexus Settings page.
CERT-26200	HP iLO vendor integration via REST interface (iLO V4).
CERT-24393	To Auto-populate the CSR parameters on the enrollment page for ABAP and Web-dispatcher.
CERT-26033	To include whitelisting and blacklisting fields in Google CA.
CERT-24403	To auto construct the WSDL URL for ABAP.
CERT-22990	Forward porting of Hashicorp vault CA (Enrolment, Discovery, CA Switch, and Revoke Operations).

PKI+


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

Case/Ticket Number	Description
CERT-24575	The OCSP signing certificate must be issued from SUBCA.
CERT-25993	The custodians must be validated prior to the addition in AppViewX.
CERT-26243	PKIaaS menu is changed as listed below. <ul style="list-style-type: none"> • CA Inventory • Custodian Management • Settings • Validation Authority.
CERT-26894	In the CERT+ > PKIaaS > Settings page, Only the default admin can select the Key ceremony administrators.
CERT-26283	Custodian status, approval column addition and dc field removal under custodian table.

Case/Ticket Number	Description
CERT-26293	The CA Status and approval column addition under PKIaaS CA inventory.
CERT-26418	Audit log column is added to custodians and CA inventory.
CERT-26323	PKIaaS CA disabled state, the delete action alert message is changed.
CERT-27562	Removal of pool from the CA creation.
CERT-25874	Windows AEP supports through cloud connector.
CERT-13136	Email alerts feature supports to the relevant users when you change the certificate group for one or more certificate groups.
CERT-21088	The Windows MQ client is added into server devices to perform the server addition, discovery, push, and manage the certificates in AppViewX application.
CERT-9737	Alert feature is added for application connector actions to alert users with logs while adding and deleting the application connectors for certificates under Certificate Logs.

Platform

This table lists the stories in the AppViewX Platform module.

Case/Ticket Number	Description
PLATFORM-5125	Thycotic PAM supports as credential manager for managing device password.  Note: Ported from AppViewX v2021.1.0
PLATFORM-6741	SMTP email features with Oauth authentication supports.
Platform-3085	Device based Licensing for ADC and New CERT Metrics (License Cleanup and Enhancement).

Pages

This table lists the stories in the AppViewX pages module.

Case/Ticket Number	Description
PAGES-2368	Implemented Card Widget to support multiple links, buttons and content in a single component.

Visual Workflow

This table lists the stories in the AppViewX Visual Workflow module.

Case/Ticket Number	Description
VWF-5613	Generic DB action for the Add, Update, and Delete API's in Visual Workflow Internal Rest Palette.
VWF-5883	Security Fixes - Script execution in a separate plug-in.
VWF-5933	Additional Category and Vendor for integration hub.
VWF-6015	Required OAuth Communication in external rest palette.
VWF-6001	Command Repo - Support for Thycotic Credential Type.
VWF-5681	Expose API to get available collections from collection module.
VWF-5942	API support to fetch Configured Integration settings count based on Category.

IoT

This table lists the stories in the AppViewX IoT module.

Case/Ticket Number	Description
CERT-29981	Enabling Nexus CA support for ACME, EST, SCEP, SCEP Intune protocol services.
CERT-29624	Enabling AutoEnrollment services for Digicert MPKI.
CERT-29526	Enabling GlobalSign MSSL CA support for ACME, EST, SCEP, and SCEP Intune protocol services.
CERT-29978	Enabling GlobalSign CA support for ACME, EST, SCEP, SCEP Intune protocol services.
CERT-28940	Removal of the SCEP upload button.

Case/Ticket Number	Description
CERT-29979	Fetch the certificate parameters radio button.

Chapter 6: Known Issues

This section lists the known issues in AppViewX v2022.1.0 FP2 for the SaaS modules.

ADC+

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

Case/Ticket Number	Description
ADC-6292	Device Restore is failing for the AVI device v2020.X.X and v2021.1.0.
ADC-13381	Right click actions are not working when performed via workflow [Rule Based Actions].
ADC-13383	When the user has access to only view dashboard ACF, end user not able to access dashboard module.

ADC+ OOB

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

Case/Ticket Number	Description
BETAPROJ-884	Error Appears when user wants to associate A record and fetch Free IP from DNS Vendor. But users can get the Free IP from DNS Vendor by logging into it and Provide the same in the "Destination Address" Field in the workflow user input.

CERT+ SaaS

This table lists the known issues in the AppViewX CERT+ SaaS module.

Case/Ticket Number	Description
CERT-33191	Private key discovery fails for the fortigate device.
CERT-32892	During CA switch operation to DigiCert MPKI CA, could observe validation logs with fields does not mandatory for, is showing on the GUI in Validation log.
CERT-32204	Administration - Validation Authority under CERT + should be removed as this is a PKI related tab.

Case/Ticket Number	Description
CERT-33378	Enroll and Push Certificate with ServiceNow gets failed if there are no Certificate attributes added in Certificate module.

CERT+ OOB

This table lists the known issues in the AppViewX CERT+ OOB module.

Case/Ticket Number	Description
CERT-29025 - OOB	Email notification does not work if the current user is restricted from SMTP permission.
CERT-29046 - OOB	Digicert MPKI certificates should not be listed under Digicert CA in the renew OOB.
CERT-29747 - OOB	Validation error in the workflows if user uses any CA account that is created using a CC with special characters.
CERT-33198	Digicert validity value drop-down is not working even if one of the units (Days, Months, and Years) is empty.
CERT-33029	Upload CSR option should not be available for client certificates.

Platform

This table lists the known issues in the AppViewX Platform module.

Case/Ticket Number	Description
PLATFORM-5260	Error banner message is not displayed when user performs user search action with invalid LDAP host.
PLATFORM-5102	Proxy test connection call is not considering DC even though DC is selected.

Chapter 7: Known Limitations

This section contains the known behaviors, system maximums, and limitations in software in AppViewX v2022.1.0 FP2 for the CERT+ SaaS module.

ADC+ OOB

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

Case/Ticket Number	Description
BETAPROJ-882	The Workflow "Enable and Disable F5 LTM Pool Members" works fine only when the pool member/node name is the same as its IP address.

CERT+ SaaS

- The AWS standalone device migration is supported from the following versions such as v2020.1.0, v2020.2.0, and v2020.3.0 through v2020.3.0 FP7 of CERT+ SaaS.
- The AWS device migration is not supported from the following versions such as v2012.X.X, v2019.X.X, and v2021.X.X of CERT+ SaaS. For the unsupported versions, it is recommended to delete all the AWS devices (both standalone and cross accounts) before migration and add it after the migration to v2022.1.0 is complete.
- AppViewX recommends to delete the following before migration, if you are migrating from v2020.1.X, v2020.2.X, and v2020.3.X to v2022.1.X.
 - All the Amazon CA settings
 - Any of the EC2 instances that is added manually from the Server inventory.



Note: Do not delete the auto discovered from the cloud accounts.



Note: For more details, refer the [CLMaaS CERT+ User Guide](#) and [CERT+ User Guide](#).

IoT

- GlobalSign SSL - ACME: CerManager only.



Note: Other clients are not supported.

- GlobalSign SSL - Winacme client is not supported.
- GlobalSign SSL - MSIntune services are not supported.
- For EST client usage in auto mode - Digicert MPKI enrollment, re-enrollment fails if the fetch certificate parameters are not configured without email address fields in policy.

Platform SaaS

- If the tenant is modified to internal tenant, it fails to restart and modify the platform_core env variables.