**Change Description patch2 upgrade (from IIQ8.3 to IIQ8.3p2)**

1. **Description of Change?**

IdentityIQ 8.3p2 release includes important server and connector enhancements, security fixes, changes in platform support, documentation updates, and general quality and performance improvements. IdentityIQ 8.3p2 is a patch for IdentityIQ 8.3. All patches are cumulative, so this patch includes all changes from previously released patches for IdentityIQ 8.3.

1. **Justification for change?**

This release contains the many enhanced, updated features and security features.

* This patch includes updates to the translations files.
* This patch includes SailPoint's new logo.
* SAML Electronic Signatures can now be used with custom approval forms the same way that SAML Electronic Signatures are used with Approvals.
* The Oracle Fusion HCM Accounts Connector is now available to govern the accounts in Oracle Fusion HCM system.
* The BMC Helix Remedyforce Service Desk Integration Module is now available.
* The Generic Service Desk Integration Module is now available.
* A new healthcare integration, IdentityIQ for EPIC SER, is now available to govern the providers from EPIC.
* The Azure Active Directory Connector now supports managing Azure PIM Role memberships to Azure Active Directory groups, Supports managing Azure Active Directory Role as a group object, Supports Continuous Access Evaluation (CAE) which leverages the Azure Active Directory real-time enforcement of Conditional Access, location and risk policies along with instant enforcement of token, revocation events for an enterprise application (service principal).
* LDAP Connector is enhanced to support Modify Time Stamp as new delta aggregation mode. The user interface of the connector has also been updated to configure it with the necessary details required to connect to most of the LDAP Directory servers.
* SAP Direct Connector is re-designed to use an SAP-certified function module for enhanced security and performance.
* SAP Hana database Connector is enhanced to support get and provisioning of external type users. It supports Custom User parameters for Aggregation and Provisioning.
* The Duo Connector now follows the proxy settings from application server settings and can also bypass the proxy for hosts mentioned in nonProxyHosts list.
* IdentityIQ for ServiceNow Service Desk Integration now supports pulling RITM status into SailPoint.
* The G Suite Connector now supports archiving and unarchiving a user.
* The Okta connector now respects the password policy set in Okta system for password age and password history.
* The Web Services Connector now supports Creating/Updating/Deleting the Group Objects.
* The Workday Accounts Connector now supports managing Service Center Representative accounts.
* The Active Directory Connector now supports Microsoft Windows Server 2022.
* The ACF2 Full Connector now supports z/OS 2.5.
* The Amazon Web Services (AWS) Connector now supports 'AWS GovCloud (US)' Regions.
* Web Services Connector supports removing entitlements while disabling account and adding entitlements while enabling account. The Web Services Connector example rules now show use of Web Services operation rules to help configure the searchAfter parameter for pagination.
* The Oracle ERP Cloud Connector is enhanced to support aggregation of data access information (security context and security context values) even when not assigned to a role.
* The EPIC Connector now supports Epic version May 2022.
* The Linux Connector now supports Red Hat Enterprise Linux versions 8.4 and 8.5.
* The IdentityIQ for IBM Security Identity Manager now supports IBM Security Verify Governance v10.0.
* The RACF Full Connector now supports z/OS 2.5.
* The RSA Connector now supports RSA Authentication Manager vsapersion 8.7 and 8.6.
* The Windows Local Connector now supports Microsoft Windows Server 2022.
* The ServiceNow Identity Governance Connector no longer supports ServiceNow Paris release.
* IdentityIQ for ServiceNow Service Desk no longer supports ServiceNow Paris release.
* This patch release contains fixes for two previously reported CVEs (Common Vulnerabilities and Exposures): *CVE-2022-45435*, and *CVE-2022-46835*.
* In 8.3GA & 8.3p1 processing object with nonstandard object IDs cause *NativeIdentityChange* propagation to fail with the exception Attempt to generate *refresh event* with null object. When this error occurs, the failed *NativeIdentityChangeEvents* will block provisioning. This issue has been resolved in 8.3p2. For customers impacted by it in earlier versions, a new task template, Reset Failed *NativeIdentityChangeEvents*, has been added in this patch that re-processes these events to *Report the number of failed events* and *Prune events where the old and new values only differ by case*
* A new option, *detectNativeIdentityChangeCaseSensitive*, is now supported that improves performance. This option defaults to false. When enabled, it triggers creation of a *NativeIdentityChangeEvent* in IdentityIQ even if the native identifier for Account or Group only differs by case from the value in IdentityIQ. To enable this option, add the following to the Attributes Map of the System Configuration: <entry key=detectNativeIdentityChangeCaseSensitive value = true/>

1. **Change Plan (outline in detail how you plan on implementing your change)?**
2. Download **identityiq-8.3p2.jar**  from sailpoint compass .
3. Stop the IdentityIQ application.
4. backup of Webapps and IdentityIQ folder need to taken from Tomcat server.
5. Place **identityiq-8.3.zip** file in the SSB for taking Build to generate deployment file.
6. Place **identityiq-8.3p2.jar**  file in the patch folder of SSB for taking Build to generate patch2 version deployment file.
7. SSB will generate the build file and also ms-sql server script to upgrade DB
8. Using a database client(Sql developer), execute the upgrade\_identityiq\_tables-8.3p2 DDL script in WEB-INF/database that is appropriate for our database type.

Patch Contents:

WEB-INF/bin/win/IQService.zip

WEB-INF/config/patch/identityiq-8.3p2-objects.xml

WEB-INF/config/patch/identityiq-8.3p2-README.txt

WEB-INF/config/patch/identityiq-8.3p2.xml

WEB-INF/config/patch/identityiq-ai-8.3p2-objects.xml

WEB-INF/config/patch/identityiq-ai-8.3p2.xml

WEB-INF/config/patch/identityiq-fam-8.3p2-objects.xml

WEB-INF/config/patch/identityiq-fam-8.3p2.xml

WEB-INF/config/patch/identityiq-cam-8.3p2-objects.xml

WEB-INF/config/patch/identityiq-cam-8.3p2.xml

WEB-INF/config/patch/identityiq-pam-8.3p2-objects.xml

WEB-INF/config/patch/identityiq-pam-8.3p2.xml

WEB-INF/config/patch/identityiq-lcm-8.3p2-objects.xml

WEB-INF/config/patch/identityiq-lcm-8.3p2.xml

WEB-INF/database/dataExport/drop\_data\_export\_tables.db2

WEB-INF/database/dataExport/drop\_data\_export\_tables.mysql

WEB-INF/database/dataExport/drop\_data\_export\_tables.oracle

WEB-INF/database/dataExport/drop\_data\_export\_tables.sqlserver

WEB-INF/database/dataExport/templates/create\_data\_export\_tables.db2

WEB-INF/database/dataExport/templates/create\_data\_export\_tables.mysql

WEB-INF/database/dataExport/templates/create\_data\_export\_tables.oracle

WEB-INF/database/dataExport/templates/create\_data\_export\_tables.sqlserver

WEB-INF/database/dataExport/upgrade\_data\_export\_tables-8.3p2.db2

WEB-INF/database/dataExport/upgrade\_data\_export\_tables-8.3p2.mysql

WEB-INF/database/dataExport/upgrade\_data\_export\_tables-8.3p2.oracle

WEB-INF/database/dataExport/upgrade\_data\_export\_tables-8.3p2.sqlserver

WEB-INF/database/arcsightDataExport/templates/create\_arcsight\_data\_export\_tables.mysql

WEB-INF/database/arcsightDataExport/templates/create\_arcsight\_data\_export\_tables.db2

WEB-INF/database/arcsightDataExport/templates/create\_arcsight\_data\_export\_tables.oracle

WEB-INF/database/arcsightDataExport/templates/create\_arcsight\_data\_export\_tables.sqlserver

WEB-INF/database/upgrade\_identityiq\_tables-8.3p2.db2

WEB-INF/database/upgrade\_identityiq\_tables-8.3p2.mysql

WEB-INF/database/upgrade\_identityiq\_tables-8.3p2.oracle

WEB-INF/database/upgrade\_identityiq\_tables-8.3p2.sqlserver

WEB-INF/lib-connectors/

WEB-INF/lib/identityiq.jar

WEB-INF/lib/connector-bundle-identityiq-8.3p1.jar

WEB-INF/lib/connector-bundle-identityiq-8.3.jar

WEB-INF/lib/connector-logging-8.3p1.jar

WEB-INF/lib/connector-logging-8.3.jar

WEB-INF/lib/connector-bundle-identityiq.jar

WEB-INF/lib/connector-logging.jar

WEB-INF/lib/delimitedFileConnector.jar

WEB-INF/lib/gson-2.8.6.jar

WEB-INF/lib/gson-2.9.0.jar

WEB-INF/lib/jdbcConnector.jar

WEB-INF/lib/oimclient.jar

WEB-INF/lib/pe2Connector.jar

WEB-INF/lib/jackson-annotations-2.10.0.jar

WEB-INF/lib/jackson-annotations-2.12.3.jar

WEB-INF/lib/jackson-annotations-2.13.2.jar

WEB-INF/lib/jackson-core-2.10.0.jar

WEB-INF/lib/jackson-core-2.12.3.jar

WEB-INF/lib/jackson-core-2.13.2.jar

WEB-INF/lib/jackson-databind-2.10.0.jar

WEB-INF/lib/jackson-databind-2.12.3.jar

WEB-INF/lib/jackson-databind-2.13.2.2.jar

WEB-INF/lib/jackson-datatype-jsr310-2.12.3.jar

WEB-INF/lib/jackson-datatype-jsr310-2.13.2.jar

WEB-INF/lib/commons-text-1.9.jar

WEB-INF/lib/commons-text-1.10.0.jar

WEB-INF/lib/vtd-xml-2.13.4.jar

WEB-INF/lib/scim-server.jar

WEB-INF/faces-config.xml

ui/css/theme.css

WEB-INF/config/examplerules.xml

WEB-INF/config/connector/ACF2-Full.xml

WEB-INF/config/connector/AzureADConnector.xml

WEB-INF/config/connector/Coupa.xml

WEB-INF/config/connector/EPIC-SER.xml

WEB-INF/config/connector/GoogleAppsDirect.xml

WEB-INF/config/connector/IBMTivoliAccessManager.xml

WEB-INF/config/connector/IdentityIQforAtlassianCloudJiraServiceDesk.xml

WEB-INF/config/connector/IdentityIQforAtlassianServerJiraServiceDesk.xml

WEB-INF/config/connector/IdentityIQforBMCHelixITSMServiceDesk.xml

WEB-INF/config/connector/IdentityIQforBMCHelixRemedyforceServiceDesk.xml

WEB-INF/config/connector/IdentityIQforGenericServiceDesk.xml

WEB-INF/config/connector/IdentityIQforServiceNowServiceDesk.xml

WEB-INF/config/connector/IdentityIQforZendeskServiceDesk.xml

WEB-INF/config/connector/LDAP.xml

WEB-INF/config/connector/Okta.xml

WEB-INF/config/connector/OracleApplicationsHRMS-Direct.xml

WEB-INF/config/connector/OracleERPCloud.xml

WEB-INF/config/connector/OracleFusionHCM.xml

WEB-INF/config/connector/OracleFusionHCMAccounts.xml

WEB-INF/config/connector/OracleIdentityManager.xml

WEB-INF/config/connector/RACF-Full.xml

WEB-INF/config/connector/SAP-Direct.xml

WEB-INF/config/connector/SAPGRC.xml

WEB-INF/config/connector/SAPHANA.xml

WEB-INF/config/connector/Salesforce.xml

WEB-INF/config/connector/ServiceNow.xml

WEB-INF/config/connector/Slack.xml

WEB-INF/config/connector/Snowflake.xml

WEB-INF/config/connector/TopSecret-Full.xml

WEB-INF/config/connector/WorkdayAccounts.xml

WEB-INF/config/connector/Zoom.xml

WEB-INF/config/connectorRegistry.xml

WEB-INF/config/examplerules.xml

WEB-INF/config/init-ai.xml

WEB-INF/config/init.xml

WEB-INF/config/tasks.xml

WEB-INF/config/tasksCommon.xml

WEB-INF/faces-config.xml

appPage.xhtml

define/applications/AWSForm.xhtml

define/applications/AzureADConnector.xhtml

define/applications/BusinessCentralConnector.xhtml

define/applications/Coupa.xhtml

define/applications/DynamicsConfiguration.xhtml

define/applications/EPICAttributesForm.xhtml

define/applications/EPICSERAttributesForm.xhtml

define/applications/MeditechAttributesForm.xhtml

define/applications/OAuth2GrantTypes.xhtml

define/applications/OktaAttributesForm.xhtml

define/applications/OracleAppsHRMSAttributesForm.xhtml

define/applications/OracleERPCloudConfigForm.xhtml

define/applications/OracleFusionHCMAccountsConfigForm.xhtml

define/applications/OracleFusionHCMConfigForm.xhtml

define/applications/SAPAttributesForm.xhtml

define/applications/SAPGRCAttributesForm.xhtml

define/applications/SAPPortalSOAPAttributesForm.xhtml

define/applications/SharePointOnlineAttributesForm.xhtml

define/applications/SlackAttributesForm.xhtml

define/applications/SnowflakeConfigForm.xhtml

define/applications/SuccessFactorsAttributesForm.xhtml

define/applications/TAMConnector.xhtml

define/applications/WorkdayAccountsForm.xhtml

define/applications/ZoomConfigForm.xhtml

define/applications/genericLDAPAttributesForm.xhtml

define/applications/ldapAttributesForm.xhtml

define/applications/ldapAttributesInclude.xhtml

define/applications/namedLDAPAttributesForm.xhtml

define/applications/oauth2AuthenticationSection.xhtml

define/applications/searchScopeGenericLDAP.xhtml

define/groups/editAccountGroup.xhtml

define/roles/modeler/roleEditor.xhtml

expiredPassword.xhtml

extAppPage.xhtml

external/mfa/mfa.xhtml

external/noauthPage.xhtml

external/passwordResetSuccess.xhtml

external/registration.xhtml

external/registrationError.xhtml

identity/entitlementText.xhtml

identity/permissionsInclude.xhtml

images/icons/sailpoint.ico

menu.xhtml

monitor/scheduleCertifications/editCertificationBehavior.xhtml

ngAppPage.xhtml

scripts/sailpoint/certification/BaseCertificationGrid.js

scripts/sailpoint/certification/ViolationRemediationDialog.js

scripts/sailpoint/form/HtmlTemplate.js

scripts/sailpoint/grid/Utils.js

scripts/sailpoint/templates/EntitlementsTemplate.js

scripts/sailpoint/web/certification/CertificationItemExpander.js

scripts/sailpoint/web/define/accountGroupGrid.js

scripts/sailpoint/web/define/identity/identityEntitlementRolesGrid.js

scripts/sailpoint/web/define/identity/identityEntitlementsGrid.js

scripts/sailpoint/web/manage/certification/Certification.js

scripts/sailpoint/web/manage/policyViolations/policyViolationDetails.js

scripts/sailpoint/web/monitor/CertificationScheduleForm.js

scripts/sailpoint/web/systemSetup/electronicSignatures.js

systemSetup/systemCompliance.xhtml

ui/accessRequest/addAccess.xhtml

ui/accessRequest/removeAccess.xhtml

ui/accessRequest/reviewAccess.xhtml

ui/external/desktopResetUsername.xhtml

ui/external/reset.xhtml

ui/images/TopLogo1.png

ui/images/favicon.ico

ui/images/loginLogo.png

ui/images/mobilelogo.png

ui/images/sailpoint-logo-optimized.png

ui/images/watermark.png

ui/js/approval/template/approval-directive.html

ui/js/approval/template/approval-item-directive.html

ui/js/certification/template/certification-display-name-column-template.html

ui/js/common/identity/entitlement/template/entitlements-table-directive.html

ui/js/common/identity/role/template/role-profile.html

ui/js/common/remediation/template/entitlement-sod-contributing-details-template.html

ui/js/common/remediation/template/entitlement-sod-revocation-node-template.html

ui/js/common/widget/template/entitlement-description-directive.html

ui/js/common/widget/template/target-account-detail-directive.html

ui/js/identity/template/identity-access-entitlement-column-directive.html

ui/js/identity/template/identity-access-entitlement-name-column-directive.html

ui/js/shared/timeZone.js

ui/js/workitem/list/component/template/work-item-card.html

ui/js/workitem/violationReview/template/requested-item-details-directive.html

ui/loginInclude.xhtml

ui/uiPage.xhtml

user/userPage.xhtml

user/userPageBody.xhtml

ui/js/bundles/SailPointBundle.js

ui/js/bundles/SailPointBundleLibrary.js

ui/js/bundles/SailPointClassicBundle.js

WEB-INF/config/plugins/identityai-recommender-plugin.zip

1. Apply the patch by using a command line interface to execute the command "iiq patch 8.3p2" (without the quotes) from the WEB-INF/bin directory.
2. Start the application server (or the IdentityIQ application if supported by the application server). And check the version from about.
3. **Backout Plan** (outline in detail how you plan on backing out (reversing) the change you implemented if it interrupts services)?

4.1 Restore query on DB. (IdentityIQ and identityiqPlugin), on db-server SMWECSMSQL14:1433.

4.2. Tomcat server - deployment directory Restore

(Roll-back webapps folder of SMWECSMIAM01, SMWECSMIAM01)

1. **Test Plan** (outline in detail how you plan on testing this change)?

  Steps to verify:

* Login to IdentityIQ as a user with the System Administrator capability
* Navigate to the Debug page (/debug/debug.jsf)
* Navigate to the wrench icon -> About
* Verify that the iiq version 8.3p2 appears under the Product Information
* Functionality testing will be done for many functionalities (Joiner, Leaver, Mover, ADCreation, contractorCreation, etc.)

1. **Risk** (high/moderate/low)? If this change has a high probability of impact a lot of users, the risk should be high.

*Moderate*.