March Release

#	Feature	Version	Whats New	Details	Reference URL
1	Runtime Fabric - Anypoint Runtime Fabric	1.12.28	Custom ingress for Runtime Fabric on Self-Managed Kubernetes now includes the **unique-id** placeholder. Use this placeholder to create unique application URLs, for example, if you want to deploy two applications with the same name from different business groups. - Updated dependencies for installing and managing Runtime Fabric with a local registry: - appInit: mulesoft/rtf-app-init:v1.0.37 - muleClusterIpService: mulesoft/rtf-mule-clusterip-service:v1.2.40 - resourceFetcher: mulesoft/rtf-resource-fetcher:v1.0.48 - nginx: mulesoft/base-image-nginx-1.21.1:v1.1.17 - monitoringSidecar: mulesoft/dias-anypoint-monitoring-sidecar:v1.3.18 - clusterOps: mulesoft/rtf-cluster-ops:v1.1.33 - coreAction: mulesoft/rtf-core-actions:v1.0.16 - persistenceGateway: mulesoft/rtf-object-store:v1.0.51 - rtfDaemon: mulesoft/rtf-daemon:v1.0.16	**SE-22892:** The external log forwarder no longer raises malformed HTTP response from and cannot increase buffer: errors on restart. **W-10883503:** Subsequent requests no longer trigger the external log forwarder to create or delete deployments for the daemonset. **W-10799741:** The Runtime Fabric rtfd container no longer crashes with a CrashLoopBackOff error. Additionally, this release includes fixes for the following potential security vulnerabilities: **CVE-2022-25236, CVE-2022-25235, CVE-2022-24407, CVE-2022-0778**	https://docs.mulesoft.com/release-notes/runtime-fabric/runtime-fabric-release-notes#1-12-28
2	Runtime Fabric - Anypoint Runtime Fabric Install Scripts	20220310-0094759	During installation, you can now set an optional variable, **RTF_PRIVATE_INTERFACE**, to allow private IP addresses to be discovered from the network interface.	N/A	https://docs.mulesoft.com/release-notes/runtime-fabric/runtime-fabric-install-scripts-release-notes#20220310-0094759
3	Anypoint Studio	7.12	Support for multi-factor authentication (MFA) to Anypoint Platform. - You can now comment and uncomment objects directly from the graphical mode. - Support for comprehensive publication of assets to Exchange. - Upgraded the base Eclipse version. - Improved metadata editor and import from Design Center experiences.	**W-10729964/SE-23855:** Studio now automatically adds a date patch on the app.runtime property on Maven when using runtime version 4.3. **W-10730648/SE-24349:** Studio no longer shows a JSON schema metadata mapping to a complete structure as Tuple<Any, Object>?. **W-10730729/SE-22615:** Using DataWeave to set the priority of a cloudhub:create-notification command no longer causes an error. **W-10731209/SE-24340:** Studio no longer becomes unresponsive whenever an issue occurs while manually installing a connector. **W-10735015/SE-24395:** MUnit execution no longer fails when deploying to ClouhHub.	https://docs.mulesoft.com/release-notes/studio/anypoint-studio-7.12-with-4.4-runtime-release-notes
4	Anypoint Connector - HDFS Connector (Mule4)	6.0.18	N/A	**W-10920479:** Upgraded com.fasterxml.jackson.core:jackson-databind:2.12.6 to com.fasterxml.jackson.core:jackson-databind:2.13.2.1.	https://docs.mulesoft.com/release-notes/connector/hdfs-connector-release-notes-mule-4#6-0-18
5	Anypoint Connector - IBM CICS Transaction Gateway Connector (Mule4)	2.3.8	N/A	**W-10890152:** Removed the atlantic-commons dependency.	https://docs.mulesoft.com/release-notes/connector/ibm-ctg-connector-release-notes-mule-4#2-3-8
6	Anypoint Connector - Salesforce Composite Connector (Mule4)	2.11.1	N/A	**W-10920495:** Upgraded com.fasterxml.jackson.core:jackson-databind:2.12.6 to com.fasterxml.jackson.core:jackson-databind:2.13.2.1.	https://docs.mulesoft.com/release-notes/connector/salesforce-composite-connector-release-notes-mule-4#2-11-1
7	Anypoint Connector - Workday Connector (Mule4)	15.0.5	N/A	**W-10920503:** Upgraded com.fasterxml.jackson.core:jackson-databind:2.12.6 to com.fasterxml.jackson.core:jackson-databind:2.13.2.1. **W-10920497:** Upgraded org.mule.connectors:mule-soap-engine:1.5.0 to org.mule.connectors:mule-soap-engine:1.6.8.	https://docs.mulesoft.com/release-notes/connector/workday-connector-release-notes-mule-4#15.0.5
8	Anypoint Connector - Google Sheets Connector	1.1.8	N/A	**W-10899109, W-10574328:** Optimized the connector to improve its overall stability and performance.	https://docs.mulesoft.com/release-notes/connector/google-sheets-connector-release-notes-mule-4#1-1-8
9	Anypoint Connector - NetSuite Restlet Connector (Mule4)	1.0.5	N/A	**W-10890004:** Removed the atlantic-commons dependency. **W-10890004:** Updated the jackson-databind dependency.	https://docs.mulesoft.com/release-notes/connector/netsuite-restlet-connector-release-notes-mule-4#1-0-5
10	Anypoint Connector - Google Calendar Connector	1.1.4	N/A	**W-10894133:** Optimized the connector to improve its overall stability and performance.	https://docs.mulesoft.com/release-notes/connector/google-calendar-connector-release-notes-mule-4#1-1-4
11	Anypoint Connector - Salesforce Connector	10.14.3	N/A	**W-10913689:** Upgraded com.fasterxml.jackson.core:jackson-databind:2.12.6 to com.fasterxml.jackson.core:jackson-databind:2.13.2.1. **W-10824292:** Fixed metadata for booleans without a default. **W-10801117:** Replacing placeholders in the query template for the Query operation works correctly on Windows. **W-10740869:** Added backup key for replayId storage in the ObjectStore to avoid issues caused by application restart in CloudHub.	https://docs.mulesoft.com/release-notes/connector/salesforce-connector-release-notes-mule-4#10-14-3
12	Anypoint Connector - SAP S/4HANA SOAP Cloud Connector	2.4.0	Added two optional parameters which secure the Outbound Message Listener: **Sender Business System ID** and **Recipient Business System ID.**	N/A	https://docs.mulesoft.com/release-notes/connector/sap-s4-hana-soap-cloud-connector-release-notes-mule-4#2-4-0
13	Anypoint Connector - Cassandra Connector	4.0.6	N/A	**W-10853991:** Cassandra Connector can now parse dates with the yyyy-mm-dd'T'HH:mm:ssZ format when performing an Insert operation.	https://docs.mulesoft.com/release-notes/connector/cassandra-connector-release-notes-mule-4#4.0.6
14	Anypoint Connector - Gmail Connector (Mule4)	1.0.4	N/A	**W-10813917:** Optimized the connector to improve its overall stability and performance.	https://docs.mulesoft.com/release-notes/connector/gmail-connector-release-notes-mule-4#1-0-4
15	Anypoint Connector - HL7 EDI Connector	4.2.9	N/A	**W-10801278:** The connector can now use custom ACK .esl files. **W-10671665:** Extension segments are now written back into an HL7 message if they are present in the payload map. **W-10581096:** The Disable numeric prefixes for data keys configuration field now works as expected for the Write operation when set to false.	https://docs.mulesoft.com/release-notes/connector/hl7-connector-release-notes-mule-4#4-2-9
16	Anypoint Connector - JSON Module	2.1.6	N/A	**W-10900776:** Fixed reported vulnerability com.fasterxml.jackson.core:jackson-databind@2.12.4	https://docs.mulesoft.com/release-notes/connector/json-module-release-notes#2-1-6
17	Anypoint Connector - NetSuite Connector	11.5.7	N/A	**W-10663982/W-10574265/W-10574268:** Optimized the connector to improve its overall stability and performance. **W-10839437:** The saved search results did not return all the records when Page size was specified in the Search preferences tab.	https://docs.mulesoft.com/release-notes/connector/netsuite-connector-release-notes-mule-4#11-5-7
18	APIkit - Mule 4	1.5.11	This release fixes bugs and updates dependencies.	**SE-24430/W-10647630:** Unions in query strings are now properly validated. **SE-22685/W-10647637:** Improved the description of the error message in a multipart form parameter validation.	https://docs.mulesoft.com/release-notes/apikit/apikit-4.1.5.11-release-notes
19	Anypoint Connector - Google BigQuery Connector	1.0.0	This is a new connector. BigQuery is a managed serverless data warehouse offered by Google. Setup, configuration, and scaling are automatically managed. Anypoint Connector for Google BigQuery enables you to load, extract, and query data into and out of BigQuery.	Some common use cases for Google BigQuery Connector: - Use log and event data collection to analyze problems - Insert, update, and delete data in Google BigQuery - Execute a query in Google BigQuery	https://docs.mulesoft.com/release-notes/connector/google-bigquery-connector-release-notes-mule-4#1-0-0
20	Anypoint Connector - Microsoft Outlook 365 Connector	1.1.0	The **TLS configuration** parameters in the OAuth 2.0 Authorization Code and OAuth 2.0 Client Credentials connections are now deprecated.	**W-10736015:** The Users.Read.All permission is no longer required to create a connection.	https://docs.mulesoft.com/release-notes/connector/microsoft-outlook-365-connector-release-notes-mule-4#1-1-0

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21	Anypoint Connector - Anypoint Partner Manager	2.10.4	N/A	**B2BSOLUT-3940:** Changes in Payload Storage API configurations now take effect when a message flow is deployed successfully. **B2BSOLUT-6050:** Runtime applications are now redeployed only when the referenced AS2 endpoint has a dependency on a new certificate that is not in the runtime application. Previously, inbound and outbound AS2 runtime applications were redeployed with the deployment of every message flow that referenced AS2 endpoints. 2 **B2BSOLUT-6186:** Improved the ability of the message flow deployment service to detect possible issues with incomplete build files. **B2BSOLUT-6298:** Validation errors that occur in the X12 Write operation are now shown in the Activity screen. **B2BSOLUT-6337:** Endpoint names are now included in the runtime application logs for FTP Receive endpoints. **W-10782902:** Filters no longer get lost when you navigate between pages in the Activity screen. **W-10842929:** Functional acknowledgements (997) generated for inbound X12 messages now use the delimiter characters configured in the partner's X12 send settings.	https://docs.mulesoft.com/release-notes/partner-manager/anypoint-partner-manager-2.0-release-notes
22	Mule Maven Plugin	3.6.0	As part of the packaging process, the plugin now builds an abstract syntax tree (AST) file and adds it to the packaged application .jar file.	N/A	https://docs.mulesoft.com/release-notes/mule-maven-plugin/mule-maven-plugin-3.6.0-release-notes
23	Anypoint Connector - X12 EDI Connector	2.8.2	N/A	**W-10878642:** Thread management when using the connector with multiple dynamic configurations is now improved. **W-10718515, W-10718531:** Upgraded library dependencies. **W-10822805:** Improved how dependent schema files are packaged within the connector.	https://docs.mulesoft.com/release-notes/connector/x12-edi-connector-release-notes-mule-4#2-8-2
24	Anypoint CLI	3.9.6	This release includes the following changes: - Upgraded Valkyr to Node16. - Added the **assetUpdateStatus** command to specify the --**status** property when creating an asset.	N/A	https://docs.mulesoft.com/release-notes/cli/anypoint-platform-cli#v3-9-6
25	Anypoint Connector - Jira Connector	1.1.9	N/A	**W-10830185:** There were missing quotes in JQL for the Issue Type used in sources.	https://docs.mulesoft.com/release-notes/connector/jira-connector-release-notes-mule-4#1-1-9
26	Anypoint Connector - Xero Accounting Connector	1.1.1	- Added the Get Invoices operation. - Added the On New Or Updated Invoices source.	**W-10767370:** Optimized the connector to improve its overall stability and performance.	https://docs.mulesoft.com/release-notes/connector/xero-accounting-connector-release-notes-mule-4#1-1-1
27	Anypoint DataGraph	N/A	- DataGraph now supports GraphQL mutations and input types. - DataGraph now supports automatic persisted queries and query syncing from DataGraph to content delivery networks (CDNs).	**W-10594175:** DataGraph now displays an error message when you try to use special characters in a field name. **W-10594134:** DataGraph now validates GraphQL allowed characters. **W-10594133:** This release includes improvements in deployment error handling. **W-10735331:** DataGraph now sends the certificate authority (CA) as a truststore. **W-10746617:** This release includes new supported scenarios for hiding fields and methods. **W-10674744, W-10660008:** This release includes improvements in collaboration functionality. **W-10758463:** All re-nameable fields now contain tooltips. **W-10810657:** Pass-through authentication now accepts default values as valid.	https://docs.mulesoft.com/release-notes/datagraph/anypoint-datagraph-release-notes#march-21-2022
28	Anypoint Connector - Microsoft Teams Connector	1.1.0	The TLS configuration parameters in the OAuth 2.0 Authorization Code and OAuth 2.0 Client Credentials connections are now deprecated.	N/A	https://docs.mulesoft.com/release-notes/connector/microsoft-teams-connector-release-notes-mule-4#1-1-0
29	Visualizer - Anypoint Visualizer	N/A	When viewing your application network, the list of tags is now filtered to include only tags that exist in the selected environments.	N/A	https://docs.mulesoft.com/release-notes/visualizer/anypoint-visualizer-release-notes-2022
30	Anypoint Connector - FTPS Connector	1.6.5	N/A	**W-10857851:** Updated internal dependencies.	https://docs.mulesoft.com/release-notes/connector/connector-ftps#1.6.5
31	Anypoint Connector - Scripting Module	2.0.1	N/A	**W-10857917:** Updated internal dependencies.	https://docs.mulesoft.com/release-notes/mule-runtime/module-scripting#2-0-1
32	Anypoint Connector - Email Connector	1.6.0	Added new Move to folder operation for IMAP and IMAPS connection providers.	N/A	https://docs.mulesoft.com/release-notes/connector/connector-email#1-6-0
33	Anypoint Connector - LDAP Connector	3.5.0	You can now configure a custom truststore for SSL and TLS configurations by using the new Custom Truststore Path and Custom Truststore Password fields.	**SE-24432:** You can now configure a custom truststore with the connector.	https://docs.mulesoft.com/release-notes/connector/ldap-connector-release-notes-mule-4#3-5-0
34	API Community Manager	2.5.3	N/A	**W-10721244:** Branded emails no longer fail when there are multiple communities with branded email configurations. **W-10795587:** Email notifications are now sent using the HTML template when available.	https://docs.mulesoft.com/release-notes/api-community-manager/api-community-manager-release-notes#march-2022
35	APIkit - APIkit for OData 4 for Mule 4	1.1.0	This release enables you to return response metadata properties from your Mule flows.	N/A	https://docs.mulesoft.com/release-notes/apikit/apikit-for-odata-4-1.1.0
36	Anypoint Connector - Commerce Cloud B2C Shop Connector	2.0.1	N/A	**W-10362098:** Minor security bugs. Fixed the broken Shopper Customer endpoints.	https://docs.mulesoft.com/release-notes/connector/shop-api-connector-release-notes-mule-4#2.0.1
37	CloudHub - CloudHub Runtime and Operating System Patch Update	4.4.0	3.8.x, 3.9.x, 4.1.x, 4.2.x, 4.3.0, and 4.4.0 Runtime Updates: - Updated to the latest operating system security patches. 3.9.5, 4.3.0, and 4.4.0 Runtime Updates: - These releases include Runtime Manager Agent 2.4.27.	**SE-24186:** A direct memory error no longer occurs when the com.mulesoft.dw.directbuffer.disable system property is enabled. **W-10667387/MULE-19942:** Set-Cookie is now handled correctly after a redirect request. **W-10673280/MULE-20090:** Properties now resolve correctly for document attributes of the AST metadata. **W-10674401/SDK-48:** Metadata type is no longer missing from the definition when present in the schema. **W-10674436/W-10674454/SE-23775:** When disposing of an application, Mule no longer throws an IOException error indicating that the underlying JAR file is in use. **W-10681464/MULE-19537:** After a failed HTTP request, applications no longer stop when reading the error payload in the error handler. **W-10730677/EE-7990:** The warning Illegal reflective access by EfficientReflectionHashCode no longer occurs due to starting Mule when using JDK 11. **W-10745620/W-10746222/MULE-19984:** LifecycleObjectSorter and dependency resolvers implemented in this release reduce application deployment time. **SE-24186:** A direct memory error no longer occurs when the com.mulesoft.dw.directbuffer.disable system property is enabled. **W-10648792/DW-1081:** Duplicate declarations for namespace prefixes in XML no longer occur. **W-10648825/SE-23812:** Exceptions are no longer thrown due to use of the default operator with fromBase64. **W-10706991:** Avro unions with enums are now supported.	https://docs.mulesoft.com/release-notes/cloudhub/cloudhub-runtimes-release-notes#march-8-2020
38	CloudHub - CloudHub Runtime and Operating System Patch Update	4.3.0	3.8.x, 3.9.x, 4.1.x, 4.2.x, 4.3.0, and 4.4.0 Runtime Updates: - Updated to the latest operating system security patches. 3.9.5, 4.3.0, and 4.4.0 Runtime Updates: - These releases include Runtime Manager Agent 2.4.27.	**W-10667146/MULE-19942:** Set-Cookie is now handled correctly after a redirect request. **W-10674462/SE-23775:** When disposing of an application, Mule no longer throws an IOException error indicating that the underlying JAR file is in use. **W-10681471/MULE-19537:** After a failed HTTP request, applications no longer stop when reading the error payload in the error handler. **W-10745606/W-10746226/MULE-19984:** LifecycleObjectSorter and dependency resolvers implemented in this release reduce application deployment time.	https://docs.mulesoft.com/release-notes/cloudhub/cloudhub-runtimes-release-notes#march-8-2021

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39	CloudHub - CloudHub Runtime and Operating System Patch Update	3.9.5	3.8.x, 3.9.x, 4.1.x, 4.2.x, 4.3.0, and 4.4.0 Runtime Updates: - Updated to the latest operating system security patches. 3.9.5, 4.3.0, and 4.4.0 Runtime Updates: - These releases include Runtime Manager Agent 2.4.27.	**W-10660160/SE-24398:** Error responses now return in the correct format, in quotes instead of square brackets.	https://docs.mulesoft.com/release-notes/cloudhub/cloudhub-runtimes-release-notes#march-8-2022
40	Mule Runtime - Mule Runtime 4.4.0	4.4.0-20220221	N/A	**SE-24186:** A direct memory error no longer occurs when the com.mulesoft.dw.directbuffer.disable system property is enabled. **W-10667387/MULE-19942:** Set-Cookie is now handled correctly after a redirect request. **W-10673280/MULE-20090:** Properties now resolve correctly for document attributes of the AST metadata. **W-10674401/SDK-48:** Metadata type is no longer missing from the definition when present in the schema. **W-10674436/W-10674454/SE-23775:** When disposing of an application, Mule no longer throws an IOException error indicating that the underlying JAR file is in use. **W-10681464/MULE-19537:** After a failed HTTP request, applications no longer stop when reading the error payload in the error handler. **W-10730677/EE-7990:** The warning Illegal reflective access by EfficientReflectionHashCode no longer occurs due to starting Mule when using JDK 11. **W-10745620/W-10746222/MULE-19984:** LifecycleObjectSorter and dependency resolvers implemented in this release reduce application deployment time. **SE-24186:** A direct memory error no longer occurs when the com.mulesoft.dw.directbuffer.disable system property is enabled. **W-10648792/DW-1081:** Duplicate declarations for namespace prefixes in XML no longer occur. **W-10648825/SE-23812:** Exceptions are no longer thrown due to use of the default operator with fromBase64. **W-10706991:** Avro unions with enums are now supported.	https://docs.mulesoft.com/release-notes/mule-runtime/mule-4.4.0-release-notes#march-2022
41	Mule Runtime - Mule Runtime 4.3.0	4.3.0-20220221	N/A	**W-10667146/MULE-19942:** Set-Cookie is now handled correctly after a redirect request. **W-10674462/SE-23775:** When disposing of an application, Mule no longer throws an IOException error indicating that the underlying JAR file is in use. **W-10681471/MULE-19537:** After a failed HTTP request, applications no longer stop when reading the error payload in the error handler. **W-10745606/W-10746226/MULE-19984:** LifecycleObjectSorter and dependency resolvers implemented in this release reduce application deployment time.	https://docs.mulesoft.com/release-notes/mule-runtime/mule-4.3.0-release-notes#march-2022
42	Mule Runtime - Mule Runtime 3.9.5	3.9.5-20220222	N/A	**W-10660160/SE-24398:** Error responses now return in the correct format, in quotes instead of square brackets.	https://docs.mulesoft.com/release-notes/mule-runtime/mule-3.9.5-release-notes#march-2022
43	Anypoint Connector - WSS Module	1.1.0	**W-10655907:** The "Apply WSS" operation now has a parameter that enables you to add a timestamp to the security header	N/A	https://docs.mulesoft.com/release-notes/connector/wss-module-release-notes-mule-4#wss-1.1.0
44	Anypoint Connector - Mailchimp Marketing Connector	1.0.3	N/A	**W-10740982:** Upgraded library dependencies.	https://docs.mulesoft.com/release-notes/connector/mailchimp-marketing-connector-release-notes-mule-4#1-0-3
45	Object Store v2	N/A	Added two endpoints to the Object Store v2 Stats API: - Retrieve usage statistics by region. - Retrieve usage statistics by store.	N/A	https://docs.mulesoft.com/release-notes/object-store/anypoint-osv2-release-notes#march-7-2022
46	Design Center - API Designer (Crowd)	2.40.0	You can now select lifecycle states when publishing API specifications to Exchange. Improved Specification Validation in the Text Editor: - API Designer now provides support for AML Modeling Framework (AMF) 5.0.4. - AMF parser validations no longer show duplicate examples for error codes.	N/A	https://docs.mulesoft.com/release-notes/design-center/design-center-release-notes-api_specs#2-40-0
47	API Mocking Service	2.37.0	N/A	**W-10647958:** Endpoints are now properly parsed for RAML specifications that were created from OAS specifications that have path parameters. **W-10647957:** RAML maximum value validation for type: integer in application/xml no longer fails with REQUEST_VALIDATION_ERROR.	https://docs.mulesoft.com/release-notes/api-mocking-service/api-mocking-service-release-notes#2-37-0
48	Exchange	N/A	Exchange now supports asset lifecycle states of development, stable, and deprecated to track the progress of assets as they move through the software development lifecycle. We intuitively redesigned the asset details page and added the following capabilities: - Affinity grouping - Asset information is now intuitively organized. - Patch versions - New Manage versions table to quickly view version details, add and delete a version, and change the lifecycle state for a version. - Lifecycle states - View the lifecycle state of an asset. - Last modified date - See when an asset was changed. - Collapsible metadata - Hide and expand metadata such as version, last published, categories, and tags.	N/A	https://docs.mulesoft.com/release-notes/exchange/anypoint-exchange-release-notes#march-2022
49	OAuth Module	1.1.18	N/A	**W-10781856:** Oauth token refresh issue no longer occurs in Mule 4.4.0.	https://docs.mulesoft.com/release-notes/connector/oauth-module-release-notes#1-1-18
50	Anypoint Connector - Shopify Connector	1.1.3	N/A	**W-10733880:** Upgraded library dependencies.	https://docs.mulesoft.com/release-notes/connector/shopify-connector-release-notes-mule-4#1-1-3
51	Anypoint Connector - MQTT Connector	1.0.1	N/A	**W-10582974:** External library not detected for the MQ connection configuration.	https://docs.mulesoft.com/release-notes/connector/mqtt3-connector-release-notes#1-0-1
52	MUnit	2.3.9	This release fixes bugs.	**SE-23989:** The MUnit test now calculates code coverage for a flow with a custom XML SDK connector using Mule runtime engine 4.4.	https://docs.mulesoft.com/release-notes/munit/munit-2.3.9-release-notes