

Release Notes



Whilst we run rigorous testing for each of our releases, we always recommend that you thoroughly test new versions in a test environment before releasing to production

Chariot Releases

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- [New and improved Chariot Licensing](#)
 - [Improved UI setup wizard](#)
 - [Purchase directly from the Chariot UI](#)
 - [Support for customer-hosted license servers and leased licenses](#)
 - [Metered pricing \(IBSNOW module\)](#)
- [IoT Bridge for Snowflake module integrated into Chariot](#)
- [Support for containerized Chariot with Docker](#)
- [New Chariot UI notifications](#)
- [Improved MQTT Client UI](#)
 - [Redesign to improve use experience](#)
 - [Single topic delete](#)
 - [Improved Sparkplug decoding](#)
 - [Graphical statistics](#)
- [Improved Chariot UI grids with toggle columns and additional filtering options](#)
- [Updated Chariot UI navigations to support Chariot's new feature module approach](#)
- [Improved Chariot UI dashboard and new widgets](#)
- [Improved Sparkplug tracking UI with refresh, linking, filtering, and message size details](#)
- [Fixed issue with ACLs when only publish topics are configured](#)
- [Library upgrades and security fixes](#)
- [Various minor bug fixes](#)
- [A new Sparkplug Tracking LITE mode that disables some tracking features to improve performance](#)
- [New Chariot UI Dashboard Widgets](#)
 - [Client Rankings](#)
 - [MQTT Current Metrics](#)
 - [Sparkplug Status](#)
- [Improve browser tab title](#)
- [Fixed MQTT Auth LDAP support](#)
- [Fixed memory issue with partial packets for clients disconnected due to another client with the same ID](#)
- [Various Chariot UI visual fixes](#)
- [Chariot UI Improvements](#)
 - [New color theme & dark mode](#)
 - [Configurable dashboard widgets](#)
 - [Sparkplug tracking](#)
 - [New topology graph](#)
 - [Toggle device nodes](#)
 - [Right-click menu actions on graph nodes](#)
 - [Searchable node support](#)
 - [Page linking](#)
 - [Searchable user and role tables](#)
 - [Batch delete retained messages](#)
 - [MQTT Test Client LWT support](#)
 - [LDAP user source config enhancements for group member attribute](#)
- [Improved cleanup of partial MQTT packets from disconnected clients](#)
- [Minor fixes to Chariot UI labels](#)
- [Chariot UI Redesign](#)
 - [Improved look and feel](#)
 - [MQTT data trends on dashboard](#)
 - [Integrated Test Client into main UI](#)
 - [Improved navigation and resource linking](#)
- [New feature to allow removal of persisted client sessions](#)
- [New feature to enforce unique LWT topics for connecting clients](#)
- [New feature to publish Sparkplug Edge Node Rebirth requests](#)
- [Fixed bug where Chariot Client can get in a state where it won't connect](#)
- [Added "client" domain role permissions](#)
- [Fixed handling of failed subscriptions on invalid topic filters](#)
- [Fixed config file handling and removed coercion to string types](#)

- New built-in MQTT client
 - Connect to any MQTT servers to publish and subscribe
 - Multiple simultaneous connections
 - Topic tree viewer
- Improvements LDAP/AD Source configurations
 - Added setting to use auto/suffix/prefix logic for the system username
 - Support multiple base DNS
 - Support search and bind with found DN if suffix/prefix is not configured
- Fixed closing of client connect when no data sent
- Fixed bug where DUP flag was sometimes incorrectly set on Control Packets
- Various minor fixes to internal MQTT client
- Fixed bug with LDAP/AD source export
- Fixed bug with LDAP auth failure when multiple sources are configured
- Scrubbed some LDAP/AD source credentials from logs
- Fixed bug with case sensitivity in AD source usernames
- Removed storing QoS 0 messages for offline persisted clients
- New Sparkplug Overview page with topology map
- Enhanced auth source configs to include domain and username prefix/suffix fields
- Added auth source configs to backup/restore
- Added SSL cert detection on initial Chariot startup
- Updated certs no longer require restart
- Updated MQTT auth source setting to allow multiple sources and not require manual file changes
- Fixed license expiration bug in UI page
- Fixed MQTT LDAP auth config enable/disable without restarting Chariot
- Fixed packet identifier warnings in log
- Fixed bug with installation scripts on Linux
- Fixed connection issues with clients with no specified client ID
- Fixed possible minor delay in processing QoS 2 messages
- Fixed LDAP connection issues across Chariot restarts
- Fixed LDAP configuration form bug when updating through UI
- Fixed LDAP queries hitting result limit
- Fixed support for escape characters in LDAP entry DN's
- Fixed high CPU usage when running bridged connections
- Fixed issue with Chariot startup using default HTTP/HTTPS ports
- LDAP support for authentication and authorization of Chariot users and MQTT clients
- Improved search/delete of Sparkplug Edge Nodes
- Added alert for client failures to subscribe, client ID collision
- Improvements to log messages when client connections pre-empt existing connections with same client ID
- Fixed issue where license activation is not available after restarting trial license
- Update to Java 11
 - Suppressed channel closed errors
 - Improved failed license error logging
 - Fix for YAJSW install with packaged JVM
 - Fixes/improvements REST API validation and error handling
 - Fix for supporting Sparkplug messages with Metrics that contain no datatypes
 - Added publish of all retained messages on bridge client connect/reconnect
 - Added Sparkplug tracking from bridge clients
 - Fix for client ID collisions disconnecting existing clients when new connect failed
 - Fix for publishing LWT of client disconnected due to ID collision
- AWS Marketplace support
 - Fixed an issue with auto-reconnect for Bridge Client on keep alive timeout
 - Fixed an issue with handling of QoS 0 PUBLISH on recently disconnected client sessions
- AWS Marketplace support
- Client-side certificate support
- PKCS8 support for private keys
- Fixed issue with repeated failed client auth attempts causing too many open file descriptors
- Fixed issue where log messages might not appear in the UI
- Added MQTT server bridging to/from other MQTT servers
- Improved closing of socket connections to clients on shutdown

- Improved error handling on failure to load Java KeyStore
 - Server no longer needs manual restart after SSL/TLS certs are updated
 - Better logging for the server's WebSocket listener startup failures
 - Added protection to prevent "admin" role from being removed from "admin" user
 - MQTT Clients now get disconnected when their credentials are changed
 - Removed default 'anonymous' MQTT Credential. Anonymous MQTT connections can now pub/sub on # by default.
 - Support for new Tahu version 1.0.0 and new Sparkplug B features/changes
- Fixed issue with retained LWT messages not getting stored when published by the server
 - Fixed rare issue with disconnect packet handling causing deadlock
 - Fixes for detecting maximum outbound message queues for clients
- No new features
- Fix for issue with authorization of LWT topics
 - Fix for issue with updates to retained LWT messages
 - Added disconnect of clients with credential change
- No new features
- Fix for issue with delivery of LWT messages with empty payloads
- No new features
- Fix for small memory leak scaling with # of client connections since last server start
 - Improvements to SSL/TLS client connection handling
 - Updated JVM to Amazon Corretto 11
 - Fix for performance issues with logging under heavy load
- Sparkplug Edge Node and Host ACL generation tool for MQTT clients
 - Sparkplug Edge Node Historical Metric tracking
 - Sparkplug Edge Node Compression sampling
 - Sparkplug Edge Node and Device Birth payload viewing
 - MQTT client throughput tracking
 - MQTT over WebSocket support
 - Alert disabling, and new alerts
- Improved performance under heavy logging
 - Fixes for handling of Expired License state
- Initial release of Chariot v2.0.0
- Known issue that Chariot is unable to handle heavy load when installed on Windows and TLS is enabled
- Initial beta release of Chariot v2.0.0
- Known issue that Chariot is unable to handle heavy load when installed on Windows and TLS is enabled