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What's new in Carmenta Server 3.4

The release of Carmenta Server 3.4 aims to enhance functions needed to set up and run enterprise-wide geodata services, handling large amounts of map data with associated metadata. Several improvements concerning performance and quality of service have been included in the new version.

The following features have been added or substantially improved:

- Carmenta Tilestore is a fully integrated raster tile cache for the OGC WMS interface with support for the WMS-C and TMS (Tiled Map Service) caching standards.
- The Catalogue Services Extension now supports transactions through OGC CSW-T compliant interfaces. This allows editing and updating metadata using the Carmenta Metadata Editor as well as external tools and editors.
- A Metadata harvesting feature gives the user a programmable interface for adding new metadata sources and making sure they are regularly searched for updates.
- The Catalogue Viewer now enables faster metadata searches and sorting of results.
- The Catalogue Viewer will be extended with a Metadata Editor to form a comprehensive tool for managing, editing and updating metadata documents according to ISO and OGC standards. Initially, the Editor will be released in a beta version available as an upgrade to the 3.4 version.
- The new SLD 1.1.0 (Styled Layer Descriptor) support gives the user a standardized way to apply on-the-fly restyling of maps. SLD files can be reused between several different map servers and GIS software.
- A new PostGIS dataset allows Carmenta Server to use a PostGIS spatial database as a geodata source.

Other improvements include:

- A new OGC WMC (Web Map Context) service gives WMC enabled clients an automatic start-up bookmark which removes the need for manually setting up many of the clients starting parameters.
- An updated web based administration tool for setting up and monitor web interfaces and the TileStore cache settings.
- Map legends can now be displayed in WMS clients through SLD GetLegendGraphics requests.
- The Web Coverages Extension has been updated for better OGC WCS (Web Coverage Service) compatibility.
- Improved WFS performance due to more efficient handling of GML (Geography Markup Language) features.
- Fixed GeoJSON coordinate compatibility.
- Several minor bug fixes and corrections.