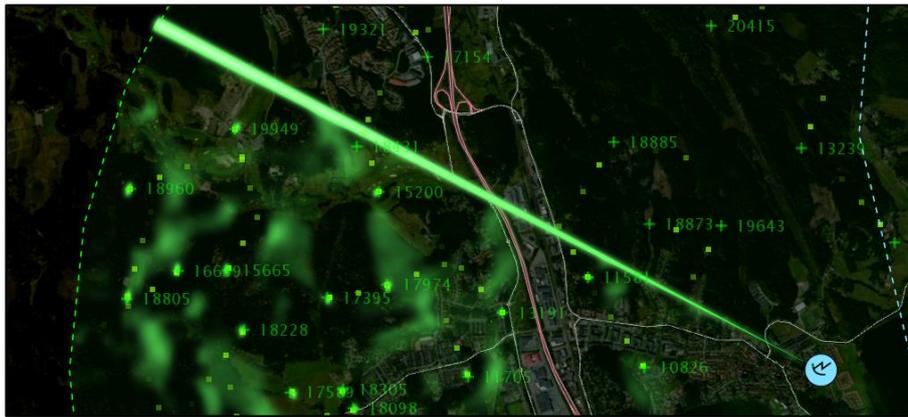


What's New in Carmenta Engine 5.12

Hardware Accelerated Radar Intensity Displays

The new RadarVideoLayer makes it possible to create radar intensity displays by directly passing in the scan line data. The functionality complements our existing support for high-performance display of radar plots.



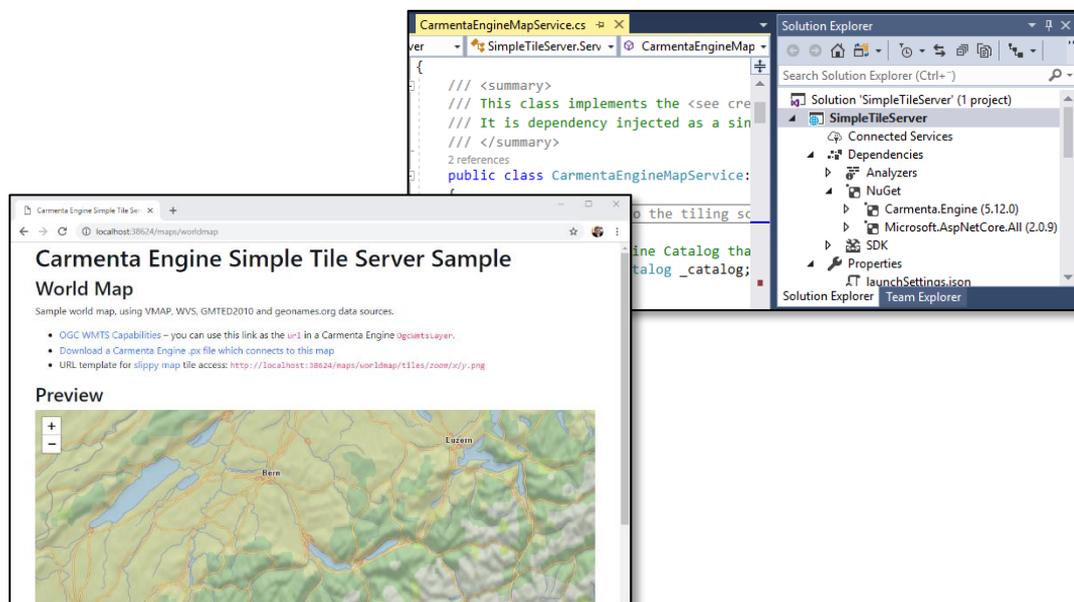
We have carefully designed the API to the new functionality to minimize the overhead when passing in scan lines, ensuring that the radar video can be updated in real time without slowing down the application.

The new hardware accelerated radar intensity displays are supported on all platforms (Windows, Linux and Android™).

New .NET Core Compatible API

Carmenta Engine 5.12 introduces a new .NET API that is compatible with .NET Standard 2.0 or later. This makes it possible to target .NET Core, Microsoft's new, cross-platform .NET implementation. The new API is provided as NuGet packages and is supported on both Windows and Linux.

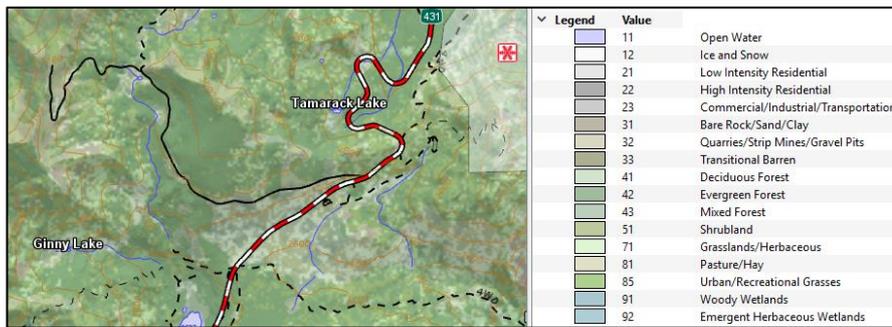
An included programming sample shows you how to use .NET Core and ASP.NET Core to create a Carmenta Engine powered geospatial micro service.



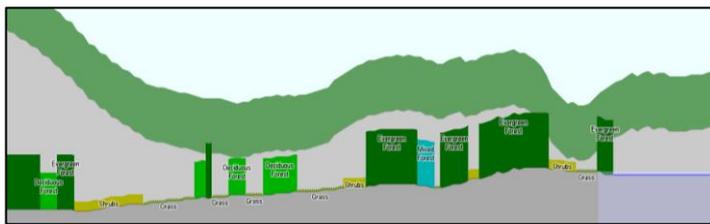
Improved Support for Thematic Data Sources

It is now possible to access so-called Raster Attribute Tables when reading thematic data such as land use databases.

The tables can contain additional information about the data classes such as human readable class descriptions or average heights for different vegetation classes.



Additionally, the VerticalProfileOperator has been extended with new inputs for thematic raster data and will use it to generate profile lines and polygons that use the same colour scheme as the raster.



More Flexible Corridor Generation

The two new operators CorridorOperator2D and CorridorOperator3D simplifies the task of generating corridor geometries around arbitrary lines.

The size, cross section, texturing etc. of the generated corridors is fully configurable.

