

The next generation in cadastral mapping - MUNSYS

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CAD, GIS and Cadastral Mapping



- Both CAD and GIS technologies are used pervasively for cadastral mapping
- CAD provides a rich and unmatched editing environment
- GIS delivers advanced analysis and modeling capabilities built upon the depth of information associated with the mapped data.

Why Munsys for Cadastral mapping



- Munsys is a next generation solution that improves the use of both technologies while also enabling the sharing of data between them
- Uses the power of CAD for editing
- Uses a single database
 - to store the CAD and GIS data that can be accessed by both technologies
 - Geometry (points, lines, polygons and text) are stored in the same table as the attribute information
 - Data stored in OpenGIS compliant format.

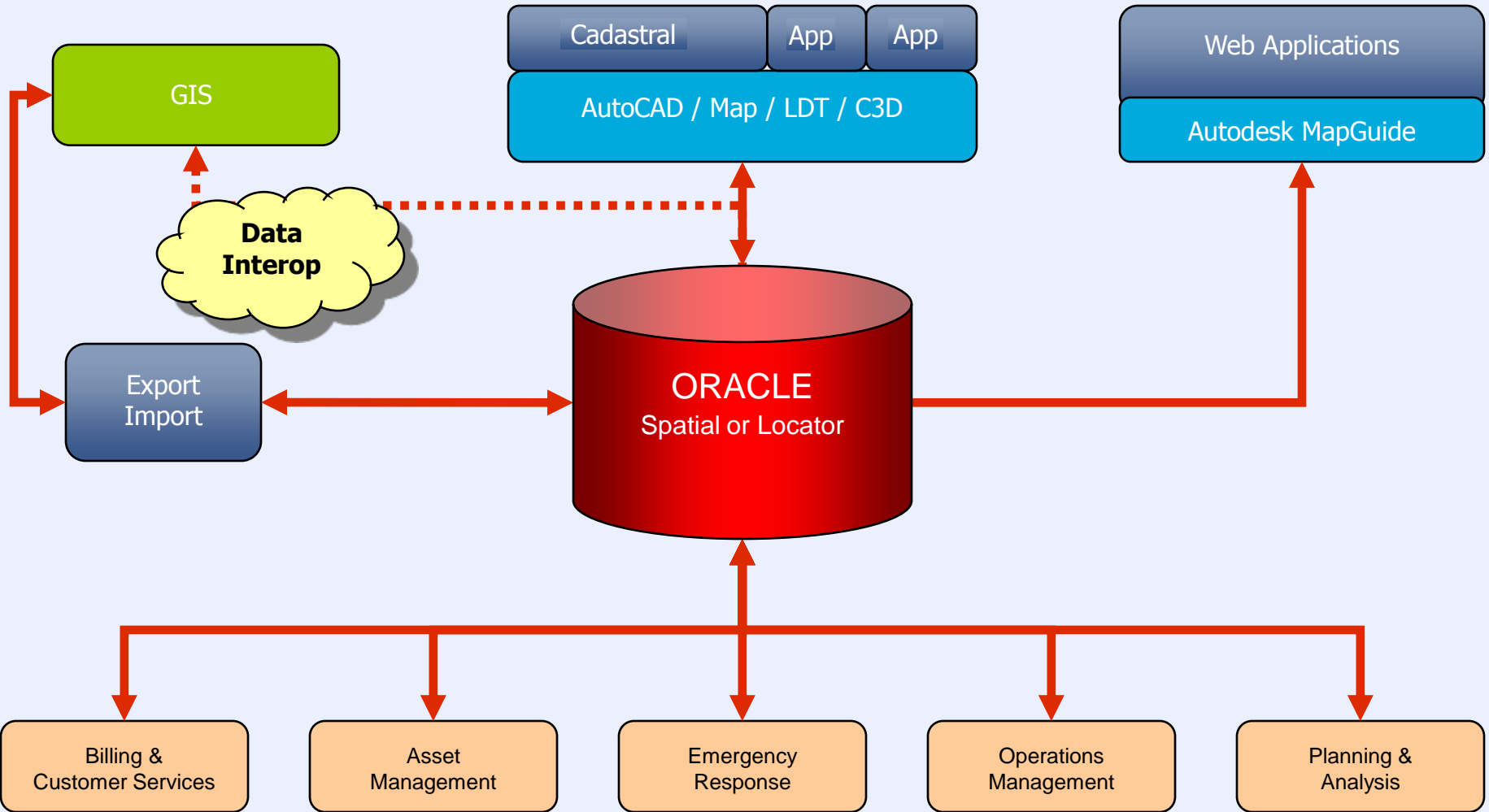
Key “generation” changes



- Moving the data store to the next generation
- AutoCAD on steroids for cadastral mappers
 - Drawing tools
 - Attributes
 - Single data store
 - Multiple users
- Change tracking in the maps
- Easy integration with other systems
 - GIS
 - Financial etc

Solution Architecture Overview

Munsys with the centralized data approach



Demonstration

Demonstration



[Munsys-ESRI interoperability demo](#)

Key “generation” changes



- Moving the data store to the next generation
- AutoCAD on steroids for cadastral mappers
 - Drawing tools to create and maintain line work and then generate clean polygons without overlaps
 - Attributes
 - Single data store
 - Multiple users
- Change tracking in the maps
- Easy integration with other systems
 - GIS
 - Financial etc

Munsys Benefits



- Powerful editing functionality
- Single dataset not many drawings and other files
- No more import/export or duplicate work
- OpenGIS data format
- History tracking
- CAD for editing GIS for analysis
- Geometry and attributes integrated into a single database record – use standard tools for managing this data and to link to other databases
- Off-the shelf product for small and large organizations

Thank you

Questions?

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