

Overview of the most prominent new functionalities and changes in AND 4.19

Highlights

AND Universal GIS Interface

AND 4.19 introduces the AND Universal GIS Interface, a feature that provides an import interface to all types of GIS data. The GeoJSON format is the first supported, other formats will follow. Initially, the creation of infrastructure objects such as sites, trenches and ducts is supported.

Vector tiles support

With the new support of vector tiles, the worldwide data of OSM® (OpenStreetMap) from AND WebSolution can be used with high performance and without rate limiting. The vector tiles determined are transformed into the GIS coordinate system configured in AND and cached locally.

Message Queue Service

A new service module for the AND SmartServer makes it possible to automatically send event-dependent messages to other systems. Rules for triggers, filters and message content can be defined for this purpose. When an AND planning document is committed/checked in, the system first checks whether there is a possible trigger, such as a status change. The filter is then used to determine whether the type is for example an ONT. The other associated rules then allow the topic path and the content of the message to be sent to be defined, for example

Type: ONT-A99

Number: 4826846

StatusNew: in operation

Address: Street, postal code and city

POP: 928

ODF port: HE4/S3/P2

For each change in the AND document to which the triggers and filters apply, an individual message is generated and sent to a message broker (e.g. Kafka). Another tool like a CRM can subscribe such a message and will then immediately be informed for example to switch a subscriber contract to active.

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The current build is an update and maintenance release, which provides new functionality and fixes known faults.

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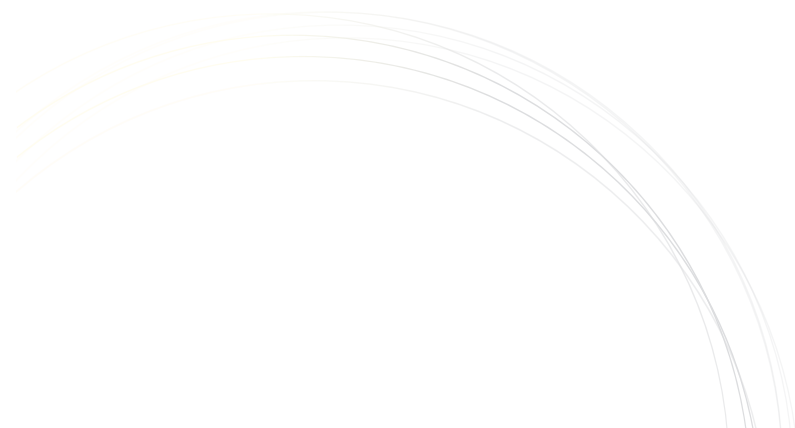
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Features

- Improved duct color handling in the Jetter plan
- Added support for vector tiles to the WMS plugin
- Created reports for cable lengths and trench ducts of a cable (cable pull plan)
- New scroll bar added to AND WebAccess search result to be able to see long project names
- Initial creation of special configuration for German "Infrastrukturatlas"
- Export functionality for the German "Infrastrukturatlas"
- Added support for multiple simultaneous WMS source in the backend for AND WebAccess
- Improved handling of used fibers for the BuFö (German "Bundesförderprogramm") feature
- Improved handling of duct export in BuFö function
- Splice points can now inherit the cassette/tray number from a cassette/tray symbol they are inside of
- Added option to auto-deploy subducts in reverse order
- Improved group replace function to handle splice connections
- New object task search functionality
- Improved block context menu to hide invalid options
- Added AND_KEY as dynamic label (via %L[%(AND_KEY)TH])
- Added option to use NCW trench lines without trench dividers and stop routing for special use cases
- Added warning on project open for contradictive MUC connections
- Added option to DbAdmin to trigger ActiveDirectory sync manually
- Improved handling of direction indicator of microducts in special cases
- Improved performance of updating signals from partner projects
- Added function to highlight trench connections (shift+q) using hierarchy values
- Better JSON-AND import mapping dialog for AND Universal GIS Interface
- Added option to create sheets from library objects in AND Universal GIS Interface
- Added default MUCs to default libraries for AND Universal GIS Interface
- Improved filter creation in AND Universal GIS Interface
- Corrected creation of trench path forks in AND Universal GIS Interface
- Added handling of DOT data to template use in AND ShapeMigration
- Improved handling of data during AND ShapeMigration in special cases
- Direct jump from AND to Google™ or Apple™ maps (e.g. for street view) or tileserver maps
- Added SOAP command to unlink libraries



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Bugfixes

- Added warning message for pigtails connected to sheet connector
- Special case handled during SHP, KML, KMZ import
- Removed AND PinBoard check-out/in during multiselection in index tree
- Improved uniform scaling of cables in virtual duct cross section
- Added automatic numbering for MUC
- Improved handling of button icons in WMS plugin
- Created SOAP command to unlink libraries in a project
- Improved project delete function in AND API
- Added additional trench sheet type beside "North always on top"
- Large performance improvement for EEP in extreme cases
- Improved line segment handling during SHP migration
- Improved handling of points during SHP migration
- Enabled option for keepalive packets (for firewall issues)
- Added option to skip CodeMeter install during server installation
- Improved caching to show correct count for tagged documents
- Corrected handling of project deletion with AND DesignAlternatives
- Added task filter coloring to microduct packages
- Removed incorrect warnings for pigtail-label connections
- Performance improved during certain DOT creations
- Corrected handling of legends in certain printing situations
- Prevented creation of mass amounts of layer duplicates in a special case
- Added signal update to ONT after being changed in the library
- Prevented illegal check-in after using "Save as" in AND DesignAlternative
- Improved DbAdmin to enable deletion of files other than .NET and .TOP
- Added correction for non-standard GIS project coordinates
- Improved EEP handling in standalone clients
- Corrected line style handling in automatic DXF export
- Removed a rare crash-on-exit in very old Windows™ installations
- Improved netcheck to correctly count cascaded amplifiers in special case
- Improved dialog for premade splicebox objects
- Improved microduct color handling in block selection
- Database performance improvement for certain hotspot types