Enterprise/Robust/Industrial (Enterprise) version of ROS

Focus and Issues

Activity Focus Possibilities:

Increased testing/regression testing capabilities

Specific functional changes that would support an Enterprise version

Specific defects that need to be fixed for an Enterprise version

Modifications to the coding standards for the Enterprise version (or for future versions)

Apply all or parts of existing/modified coding standards to additional packages

Analyze/apply fixes for common vulnerabilities (e.g., SAMATE Reference Database )

Implement safety-specific software such as software cages

Address security within ROS

Certification of Compliance with standards (e.g., IEC 61508 standard for safety-related systems)

Long-term support (LTS) – a version that will be updated even after other versions are release

Areas of Focus

Core ROS functionality (could also be a subset of overall core functionality)

Commonly used non-core packages

Drivers/Device-specific code

Third-party tools commonly used with ROS, including their integration with ROS

Funding

Volunteers

Consortium

Companies

Government(s)

Time span / Scope

Specific version (groovy)

Long-term support - specific version

Multi-version tasks

Infrastructure