



# PVSS-UNICOS training

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# Program of work

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- Pre-requisite:
  - PVSS
    - Installation PVSS 3.0 with the latest patches
    - Starting/stop managers
- Module – 1: 4 hours
  - Overview of PVSS
    - presentation of the most important concept
    - PVSS manager
  - UNICOS-PVSS
    - Concept, principle
    - Delivery, release plan of work, future work
    - Description of the UNICOS components
- Module – 2: 8 hours
  - Development of an application
- Module – 3: 4 hours
  - Integration of the application into a running DS
- Question/answers, discussion



# Module - 2

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- Based on practical example
- Development of application
  - Installation of the UNICOS-PVSS package
    - Setup the PVSS project and install the components
  - Import of the specifications
    - Configuration of the import
  - Startup of the PVSS-PLC communication
  - Validation of the UNICOS devices
  - Development of synoptics and configuration of the WindowTree
  - Configuration of the TrendTree
  - Configuration of the systemIntegrity
  - Configuration of the application security
  - Modification of the config of the device
- Additional utilities
  - Export database, Import Tree/Export Tree, Email/SMS ,etc.
  - S7 SIEMENS
  - Modification of the device type data
  - Other utilities



## Module – 3

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- Integration of the application into an existing configured Data Server
  - Procedure
  - Commissioning
- Online backup



# Practical work outline – 1

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- Install PVSS, unicos-pvss package
- Build an application
  - Import the configuration
  - Create synoptics:
  - Create a WindowTree
  - Test the application with the PLC
  - Modify the config of a device:
    - pv\_range of a Controller object
    - Add a synoptic panel to a device
  - Configure the application: systemIntegrity



## Practical work outline – 2

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- Add a new PLC application into a configured DS
  - Import the new configuration into the configured DS
  - Import the created panels
  - Create a WindowTree
  - Test the application with the PLC
  - Configure the application: systemIntegrity