Prerequisites for developer

This page lists the prerequisites for developing vacuum control devices and functionalities. In addition to the user prerequisites, some developer's prerequisites are needed:

- Member of egroup te-dep-vsc-icm-software (request via https://e-groups.cern.ch/)
- Write access privilege for the EDMS context TE-DEP-VSC and TE-DEP-VSC-ICM (Create a ticket via JIRA web interface)
- Access to CCDB editors (Write a mail to CCS support: controls-configuration.support@cern.ch)
- SVN/GIT knowledge (and client installed on development machine):
  - https://cern.ch/svn
  - https://tortoisesvn.net (checkout, tips...)
  - https://gitlab.cern.ch
- Familiar with main acronyms of the vacuum controls (equipment code list)

Prerequisites for PLC developer

- Development Machine (Windows OS) with Simatic Manager (Step7Professional) and TIA Portal (\cern.ch\dfs\Applications\Siemens\LicensedSoftware\cern.ch - Ask access to Icecontrols Support <Icecontrols.Support@cern.ch>)
- Write access to SVN repo Specifications, Baselines, Stand-Alone Projects: https://svnvacplc.web.cern.ch/repo
- Write access to SVN repo Projects (vacuum framework): https://svnicmdev.web.cern.ch/repo

Prerequisites for SCADA developer

- WinCC OA installed on development machines, physical and/or virtual, Windows and Linux (WinCC-OA Service)
- Install OWS Skeleton project (G:\Applications\ETM\UNICOS\OWS\OWS_3.15)
- Qt/C++ IDE (e.g. Visual Studio)
- Linux machine with access to /acc/local (BE-CO VPC wikispace) to be used for compilation and test (and development), optionally install a Samba server
- Member of Linux group dscdev (the request has to be send via mail to: acc-adm-support@cern.ch or contact Jean-Michel Elyn)
- Developer member of https://gitlab.cern.ch/VACCO/vacSCADA
- Create your development projects:
  - Guidelines to create a project (https://edms.cern.ch/document/1430175)
  - Install UNICOS, even if you are developing only the vacuum framework (https://unicos.web.cern.ch/download-unicos)