

EPICS Support for OPC UA

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OPC UA

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- Written by Bernhard Kuner (HZB / BESSY II), author of the existing OPC Support: bernhard.kuner@helmholtz-berlin.de
- Available on GitHub: <https://github.com/bkuner>
- Two flavors, both running on Linux:
 - Free OPC UA client implementation: <http://freeopcua.github.io/>
 - Commercial client: <https://www.unified-automation.com/products/client-sdk/c-ua-client-sdk.html>
(~3800 EUR for a source code license, distributing binaries is royalty free)
- Compiles against EPICS 3.14, 3.15 and 3.16
- Supports all integer and float data types and arrays thereof
- Supports all basic record types
- Supports bidirectional output records (IOC set points updated by OPC server)
- Supports time stamps from OPC server
- ITER use cases:
 - Connection to WinCC UA server, reading out interlock status
 - Connection to WinCC UA server as a gateway to ISO 61850 devices (electrical substations)
 - Integration option for non-standard PLCs