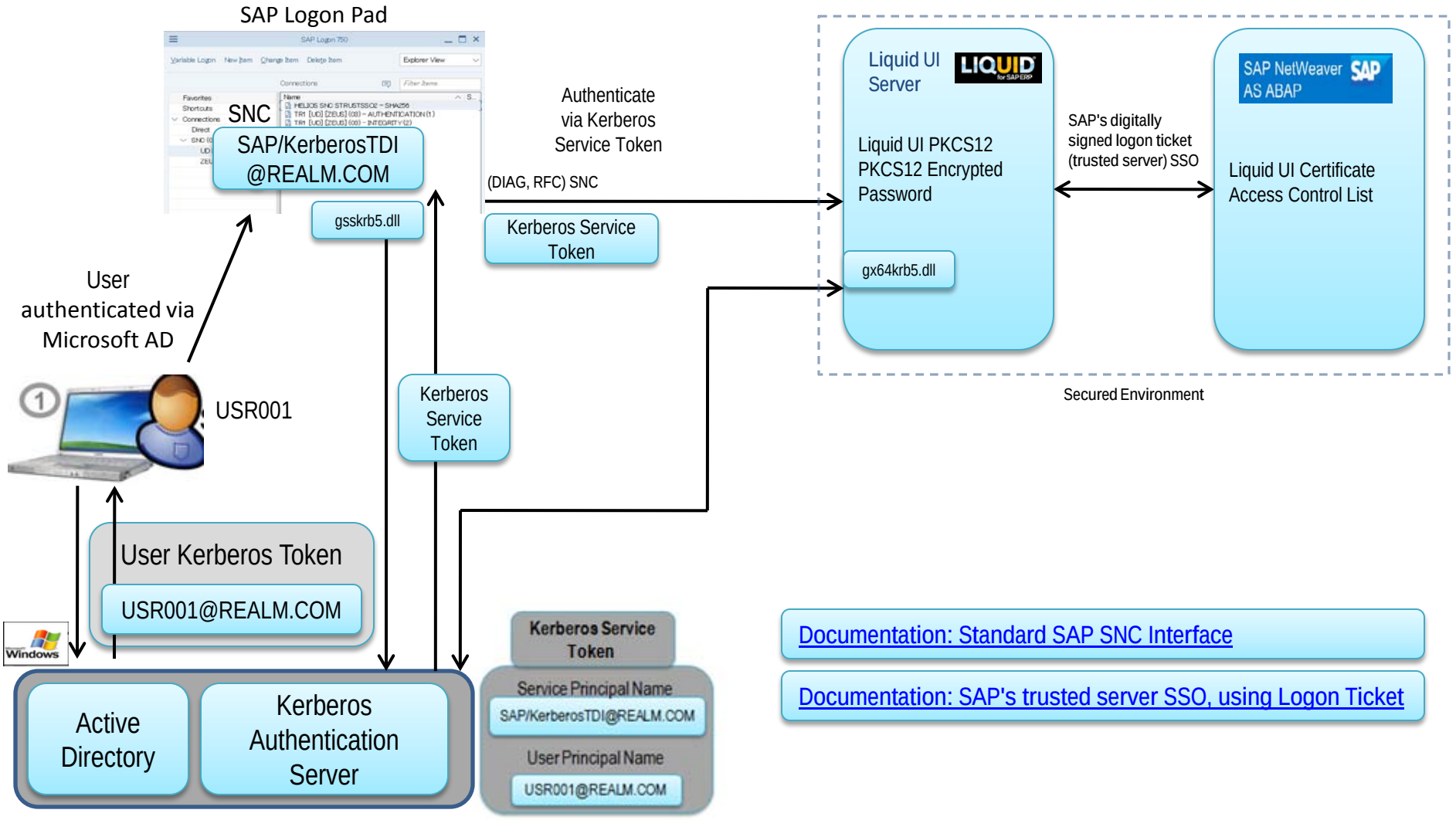
LiquidUI - SAP NetWeaver AS ABAP SSO

Workflow



[Documentation: Standard SAP SNC Interface]

[Documentation: SAP's trusted server SSO, using Logon Ticket]

SAP Communication Channels

- This Diagram shows the connection from SAP GUI to LUI Server via the standard SAP's SNC interface. There are no changes in SAP GUI other than service principal. Available only with Cybersafe TrustBroker
  - Documentation for this protocol is provided by SAP here: https://help.sap.com/doc/saphelp_nwpi71/7.1/en-US/43/ce38952dde0a98e10000000a1553f6/content.htm?no_cache=true
- From LUI Server to SAP ECC, connection is established as SAP's trusted server SSO, using SAP's digitally signed Logon Ticket.
  - Documentation for this protocol is documented here: https://help.sap.com/saphelp_nw73/helpdata/en/4e/16c7b1b84a1a27e10000000a42189e/frameset.htm
- On both ends of the Server the connections are secured. LUI Server connects via standard SAP secure channels. One via Kerberos and the other via Trusted Server Logon Ticket.

Trusted Server Connection (MYSAPSSO2)

- Trusted Server Connection to SAP ECC is compressed, and the SAP ECC Kernel does not support further encryption. This SAP Native protocol is not https traffic.
- Synactive recommends the LUI server be placed close to the SAP ERP Server to the maximize the optimizing feature as well as to ensure security.
- Furthermore, the trust relationship established between LUI Server and SAP ECC ensures that no 3rd party can access this Trusted Server Channel.
- Trusted Server Connection is needed not only in the Desktop mode, but it is a necessity in the Mobile environment, where there is no Kerberos SSO. Connection to LUI Server from the Mobile device is protected by TLS 1.3.