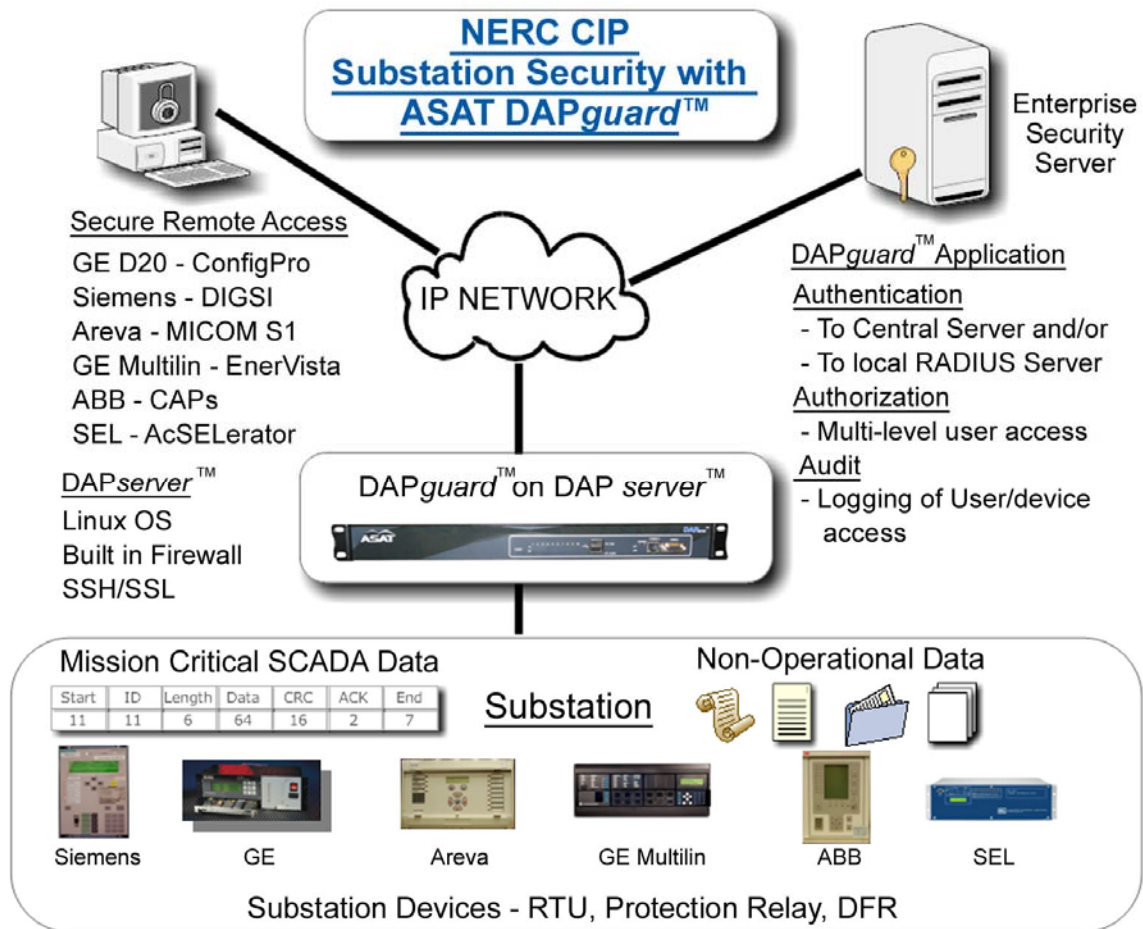




DAPguard™ - Substation security application for addressing NERC CIP requirements

To support electric power utilities to address the NERC CIP requirements, ASAT offers the DAPserver™ and DAPguard™ application for securing remote access to substations.

The DAPserver™ product is designed to manage the substation data and the DAPguard™ application is designed to protect the substation data.



Roles of the DAPguard™

- 1) Authentication
Upon a login request from a remote user, the DAPguard™ application will provide the access control and authenticate the user by connection to a central enterprise server database (supports RADIUS or LDAP interface). If the central server is not available, the DAPguard™ can automatically connect to an alternative local server database (such as RADIUS) within the substation.
- 2) Authorization
Once the remote user has been authenticated, the DAPguard™ will use the User ID to determine what levels of access or privileges are available to the user.
- 3) Audit Trail
The DAPguard™ provides a log of the User access for audit purpose. Access logs for IP based IED and Serial based IED will be available in the next software release.

Roles of the DAPserver™

- 1) The role of the DAPserver™ is to provide a secure virtual connection and allow the Remote User to access the non-operational data from the individual substation IEDs.
- 2) For added security, the DAPserver also has a built in firewall function (Linux IP table)
- 3) For secure connection between the Administrator to the DAPserver™, SSH/SSL technologies are use during configuration or viewing of the system logs.

Bottom Line

- 1) The DAPserver™ and DAPguard™ provide a simple and practical approach to address your substation security.
- 2) For existing D20 RTU users, ASAT also offers a custom design plug in module – The DAPmini™ server which provides the same functions as the DAPserver™.

For more information on how ASAT can help addressing substation security and NERC CIP requirements, please contact us:

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