

General Testing Issues - Improvement #7062

Need to be able to test Virtual IEC 61850 Devices

11/27/2024 08:18 AM - Herbert Falk

Status:	Resolved	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Short Proposal:			

Description

A test lab has a request to certify an virtualize IEC 61850 Implementation.

The test procedures can still be used, but the certificate, vendor information , and redmine would need to change.

We will probably need the following information. For HW: the HW of the actual physical server; for Software: the version of the Virtual IED;. The certificate and Redmine will need to also include the Hypervisor name and version (e.g. VmWare Exsi 7.8). I also believe that the certificate/redmine will need to specify the type of virtual Ethernet connection (V-switch, PCI Passthrough, or SRV-IO).

Since there are implementations using kubernetes/docker as well, we need to decide on the correct terminology. Suggestion is Container Technology.

History

#1 - 12/30/2024 11:13 AM - Herbert Falk

- File certificateTemplate with virtualization and ITCA.docx added
- File IEC 61850 Submission Requirements_preaudit version 2.xlsx added
- File Requirements to document testing of virtual IEC 61850.docx added

Proposed drafts of changes added to redmine.

#2 - 01/07/2025 08:40 AM - IEC 61850 TPWG

- Tracker changed from Issues to Improvement
- Project changed from Test Procedure Issues to General Testing Issues
- Status changed from New to Resolved
- % Done set to 0

Files

IEC 61850 Submission Requirements_preaudit version 2.xlsx	11.5 KB	12/30/2024	Herbert Falk
certificateTemplate with virtualization and ITCA.docx	67.3 KB	12/30/2024	Herbert Falk
Requirements to document testing of virtual IEC 61850.docx	79.5 KB	12/30/2024	Herbert Falk