CIP Documents

This repository is where keeps all documents at one place for all working groups of the CIP projects to meet secure development process definced at IEC 62443-4-1 which require to maintain documents and their versions.

Management policy

This repository will be maintained by a few security members to meet secure development process, thus branches in this repository will be protected by restricting members enabling to push and merge.

License

The license of all documentation in this repository follows the intellectual property policy in the CIP Charter. See section 14-e in the CIP Charter.

Guide

This section will give brief descriptions about each document to make navigating this repository easier. Non-document files will not be explained here. - cip-project - cip-documents - developer - event - process - security - testing - user

Developer

Name	Description
FOSS_Security_Study_Summary	Presentation on security increases in Debian over time.

Event

Name	Description
Introduction of CIP Software Updates Working Group	Presentation CIP Software Update WG.
CIP Security towards achieving industrial grade security	Presentation CIP Security WG.
Threat modelling - Key methodologies and applications from OSS CIP(CIP) perspective	Presentation of CIP Security WG on Threat modeling in CIP.

Process

Name	Description
CIP File Integrity	The primary objective of this document is to explain about how file integrity for CIP deliverables is achieved.
CIP Roles and Responsibility Matrix	The primary objective of this document is to show the roles in CIP with their responsibilities and accountabilities. It is also shwon which roles should be consulted and/or informed for certain actions and which qualifications, if any, are needed to fulfill a role.
CIP Secure Development Process	This document is based on IEC-62443-4-1 (Edition 1.0 2018-01) secure development process requirements.The Objective is to adhere IEC-62443-4-1 secure development process requirements in CIP development as much as possible.

Security

Name	Description
CIP Security Coding Guide Lines	This document explains how CIP Project and its upstream projects are following security coding guidelines.
Static analysis tools for CIP packages	This document explains how CIP Project executes SCA with some explanation on how to use some SCA software.
CIP Development Environment Security	The primary objective of this document is to document current development environment security, development flow and how security is maintained.

Name	Description
IEC 62443-4-2 App & HW Guidelines	The primary objective of this document is to provide guidelines to CIP users for meeting IEC-62443-4-2 security requirements. The document explains about each IEC-62443-4-2 requirements whether it has already been met by CIP. In addition this document also explains about iec security layer added in CIP to meet IEC-62443-4-2 security requirements.
User Security Manual	This document contains items identified during IEC-62443-4-1 and IEC-62443-4-2 Gap Assessment for user security manual.
OWASP Top 10 Vulnerabilities Monitoring	The primary objective of this document is to explain about how various OWASP. top 10 vulnerabilities are handled in CIP.
CIP Private Key Management	The primary objective of this document is to explain about how various private keys used in CIP development are maintained and kept secure and confidential.
CIP Security Requirements	This document is intended to capture CIP security requirements based on IEC-62443-4-2 standard.
CIP Threat Modeling	The primary objective of this document is to create Threat Model for CIP reference platform.

Testing

Name	Description
CIP_IEC-62443-4-2_Security_TestCases	Overview of the CIP 62443-4-2 test cases.
CIP Penetration Testing	The primary objective of this document is to identify suitable penetration testing tool and document the process how this can be re-used by CIP end users for their specific use cases.

User

Name	Description
CIP User Manual	This document is a user perspective overview and technical guide for CIP.