iTC Tools & Templates, Easing the Process for Creating a PP

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Introduction

- The goal of the Team Tools WG is to provide a set of tools, templates and procedures that any group creating a cPP can use
- Creating a toolkit that can be replicated to enable focus on the ***work*** of the iTC, not the ***how*** of the iTC

Background

- Creating iTCs, cPPs and SDs is difficult
  - No standardization, everyone starts from scratch
  - Lots of duplication, but no commonality
  - Working in multiple groups means learning different tools/methods

Who is the Team Tools WG

- CCUF-established Working Group
- Started meeting in February 2019
- Open to anyone willing to participate
- Representatives from several iTCs, vendors, labs and schemes
- 8 active members

What will the WG create?

TOOLSETS, TEMPLATES & GUIDES

Toolsets

- Most important aspect is recommended collaboration toolset
  - All tools need to be freely available
- Primary Toolset
  - GitHub
  - Asciidoctor

GitHub & Asciidoctor

- GitHub provides many advantages
  - Multi-user editing/tracking
  - Issue/change request support
- Asciidoctor files are text, not binary
  - GitHub is built around text files to track changes
  - Readable, even with syntax markings

```
== PP Introduction

=== PP Reference Identification
- PP Reference: {doctitle}
- PP Version: {revnumber}
- PP Date: {revdate}

=== TOE Overview
[GUIDANCE]
====
This may be short, but is likely to be 1-2 pages. This should provide a good
description of what the products being evaluated should do. For example, in a
biometric, this could talk about things like enrolling your biometric, verifying
it, and then checking that it can't be faked. For a mobile device, this could
talk about the scope of the eval, and high level expectations like protecting
DIT/DAR.
====

=== TOE Design
[GUIDANCE]
====
This may not be necessary depending on the technology type. It may already be
clear what the design is, or it is covered in the Overview. For example in the
Network cPP there is an entire section dedicated to use case/design selections to
deal with distributed TOEs.
====
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Asciidoctor Syntax Example

Table of Contents

1. PP Introduction

1.1. PP Reference Identification

- PP Reference: collaborative Protection Profile for _Coffee Maker_
- PP Version: 0.2
- PP Date: 2019-08-23

1.2. TOE Overview

This may be short, but is likely to be 1-2 pages. This should provide a good description of what the products being evaluated should do. For example, in a biometric, this could talk about things like enrolling your biometric, verifying it, and then checking that it can't be faked. For a mobile device, this could talk about the scope of the eval, and high level expectations like protecting DIT/DAR.

1.3. TOE Design

This may not be necessary depending on the technology type. It may already be clear what the design is, or it is covered in the Overview. For example in the Network cPP there is an entire section dedicated to use case/design selections to deal with distributed TOEs.

Asciidoctor HTML Output

Templates

- An iTC needs to create many documents, not just the cPP
- Asciidoctor document templates have been created for use within the tools
- Template repositories for GitHub itself (to help the setup process)
- The goal is to cover all cPP/SD/PP-Config creation ***AND*** iTC governance

Partial Template List

- cPP
- PP-Module
- Supporting Document
- PP-Configuration
- Invitation Letter
- Terms of Reference (including voting)
- iTC Work Plan
- Essential Security Requirements
- Public Review announcements/process
- iTC website
- Maintenance Process
- Interpretation Team Process

iTC User Guidance

- Critical component of any system is how to use it
- Admin guidance – how to setup & manage GitHub
- User guidance – how to use GitHub, how to contribute to iTC

Guidance List

Admin

- GitHub/Asciidoctor Setup
- GitHub maintenance
- Document Publishing
- Creating iTC website
- iTC Voting
- Public Review Process

User

- Asciidoctor Syntax Guide
- GitHub user guide for iTC
- GitHub offline editing
- Training references

Where can you get to these tools?

HOW TO ACCESS THE TOOLS

Access to Team Tools

- Main website (published guides, links to docs)
  - https://itc-wgtools.github.io/
- Working website (active work on templates, docs)
  - https://github.com/itc-wgtools/
- Mailing List
  - ccuf-team-tools-wg+subscribe@googlegroups.com

Call for Volunteers & Input

- The WG is looking for more volunteers and input
- Review of templates and tools
- Long term ongoing support
  - Guidance/template updates
  - Onboarding/deployment of tools to new iTCs (new or migration)

Questions?

CCUF Team Tools Working Group

THANK YOU