APPC Documentation

Resources for creating ONAP documents

Latest ONAP Documents:

- https://docs.onap.org/

ONAP Documentation Creation:

- http://onap.readthedocs.io/en/latest/guides/onap-developer/how-to-use-docs/index.html
- Readthedocs docs are saved and loaded in rst format.
    - http://docutils.sourceforge.net/rst.html
    - http://www.sphinx-doc.org/en/master/usage/restructuredtext/basics.html

Pandoc:

- Used to convert Word documents to rst
- https://pandoc.org

Pandoc – Converting Word Docs to rst

Pandoc installation:

- https://pandoc.org/installing.html

Running pandoc: (note: the embedded image will be created under ./media dir)

Running Pandoc

```
pandoc --extract-media=. -s mydoc.docx -t rst -o mydoc.rst
```

Testing – Testing rst files using SPHINX

SPHINX (Python Doc Generator)

Sphinx Docs:

- http://www.sphinx-doc.org/en/master

Sphinx and rst:

- http://www.sphinx-doc.org/en/master/usage/restructuredtext/basics.html

Install Sphinx:

- http://www.sphinx-doc.org/en/master/usage/installation.html

index.rst

- Must be in the docs root directory

Example index.rst:

```
.. This work is licensed under a Creative
Commons Attribution 4.0 International License.

APPC Documentation Repository
-----------------------------
.. toctree::
:maxdepth: 2

        APPC LCM API Guide/APPC LCM API Guide
        APPC Client Library Guide/APPC Client Library Guide
        APPC Logging Guide/APPC Logging Guide
        APPC User Guide/APPC User Guide
        APPC OAM API Guide/APPC OAM API Guide
        APPC CDT Guide/APPC CDT Guide
```

conf.py

- Required to test the rst using Sphinx
- Must be copied into the docs root directory after clo0ning from gerrit
- Must be removed from docs root before submitting changes back to gerrit
    - (Won't necessarily hurt anything but it's just messy)

Using Sphinx to generate test html

- Once rst updates are made you can generate sample html using sphinx:

```
sphinx-build -b html /home/myhome/appc/docs /home/myhome/test
```

- Sample output of html generator:

```
Running Sphinx v1.5.3

/usr/local/lib/python2.7/dist-packages/sphinx/util/requests.py:58:
UserWarning:
Some links may return broken results due to being unable to check the Server
Name Indication (SNI) in the returned SSL cert against the hostname in the url
requested. Recommended to install requests-2.4.1+.

'Some links may return broken results due to being unable to '

loading pickled environment... done

building [mo]: targets for 0 po files that are out of date

building [html]: targets for 1 source files that are out of date

updating environment: 0 added, 1 changed, 0 removed

reading sources... [100%] APPC CDT Guide/APPC CDT Guide

looking for now-outdated files... none found

pickling environment... done

checking consistency... /home/scottseabolt/appc/docs/release-notes.rst::
WARNING: document isn't included in any toctree
done

preparing documents... done

writing output... [100%] index

generating indices... genindex

writing additional pages... search

copying images... [100%] APPC CDT Guide/media/image34.png

copying downloadable files... [100%] APPC CDT Guide/Generic 1802 User Input Spreadsheet v.02.xlsx

copying static files... WARNING: html_static_path entry u'/home/scottseabolt/appc/docs/_static'
does not exist

WARNING: logo file '_static/logo_onap_2017.png' does not exist

WARNING: favicon file '_static/favicon.ico' does not exist
done

copying extra files... done

dumping search index in English (code: en) ...
done

dumping object inventory... done

build succeeded, 4 warnings.
```

Resulting html will be displayed:

File Machine View Input Devices Help

APPC CDT User Guide — ONAP Amsterdam 0.1 alpha documentation - Mozilla Firefox

APPC CDT User Guide — O

file:///home/myhome/test/APPC CDT Guide/APPC CDT Guide.html

Search

APPC CDT User Guide

Introduction

This document is the APPC Controller Design Tool (CDT) User Guide for self-service onboarding of VNF's. VNF owners can create templates and other artifacts for APPC Configure command (used to apply a post-instantiation configuration) as well as other life cycle commands.

A complete list of all APPC supported commands is contained in the APPC LCM API Guide available on onap.readthedocs.io.

Overview of APPC Support for VNF Configuration and Lifecycle Commands

APPC is an ONAP component that performs functions to manage the lifecycle of VNF's and their component. The picture below summarizes the APP-C design intent.

Design Intent

APPC performs functions to manage the lifecycle of *Virtual Functions* (VNFs), networks, and their components

❖ Provides comprehensive set of controller actions and functions for a VNFs, networks, and the associated applications

❖ Supports set of standard VNF interfaces (Netconf, Chef, Ansible,

VNF Post-Instantiation Configuration

VNF Lifecycle Management Actions (Modify Config, Live Software Upgrade, ...)

VNF Failure Related Actions (Healthcheck, Test, Restart, Migrate, ...)