

WIP: Documentation structure

Benchmark

1. <https://docs.readthedocs.io/en/stable/index.html>
2. <https://pip.pypa.io/en/stable/>
3. <https://docs.releug.linuxfoundation.org/en/latest/index.html>
4. <https://docs.opendaylight.org/en/stable-magnesium/>
5. <https://fd.io/docs/vpp/latest/troubleshooting/index.html>
6. <https://docs.onap.org/en/latest/guides/onap-user/design/index.html>
7. <http://pnda.io/guide>
8. <https://github.com/open-switch/opx-docs/wiki>
9. <http://www.contribution-guide.org>
10. <https://www.postgresql.org/docs/>
11. <https://docs.zephyrproject.org/latest/>
12. <http://www.openmama.org/documentation>
13. <https://docs.openvswitch.org/en/latest/>
14. https://helm.sh/docs/intro/using_helm/
15. <https://www.envoyproxy.io/docs/envoy/v1.15.0/intro/deprecated>
16. <https://www.snas.io/docs/>

Constraints

1. Tungsten Fabrics is an open source project. Everyone can contribute while following rules. Those rules need to be described.
2. TF is a project under Linux Foundation. There needs to be a section describing what LF-networking is and what is the governance of the project.
3. TF consists of modules. Modules might have their own documentation for installing, debugging, and development.
4. TF has a GUI. There is a need for a user manual on how to use it.
5. TF has dependencies on other software (for example orchestrators like Openstack or operating systems like Ubuntu). Those changes might have an impact on installation and deployment procedures. This means TF docs need versioning.
6. TF has dependencies on other software (for example orchestrators like Openstack or operating systems like Ubuntu). Each release is compatible with different versions. Compatibility and supported platforms should be documented.
7. Much of the project governance is done using wiki.tungsten.io. There should be clear guidance on what should go to docs and what should go to the wiki. Otherwise, it'll end with parallel maintenance (or worse — lack of maintenance).

New documentation tree

Legend:

Color	Status
Quickstart	Not yet analyzed
Quickstart	Waiting to be written/re-written
Quickstart	Done

- About the documentation
- Quickstart / Getting started (alt names: Introduction) (Q: should we split it into two sections like Introduction that will explain TF and Getting started that will guide you through first installation steps?)
 - What is Tungsten Fabric?
 - What problems does it solve?
 - New and Changed Features in this release
 - <Feature name>
 - Resolved issues in this release
 - <JIRA TICKET ID> - <JIRA TICKET SUMMARY>
 - Supported Platforms
 - Known Behavior
 - <JIRA TICKET ID> - <JIRA TICKET SUMMARY>
 - Roadmap
 - Architectural Overview (Q: should the *Architectural Overview* be a section under *Getting started* or should it be a section under *Deep dive*?)
 - Use cases
 - Blueprints (supersedes Roadmap?)
- Installation (Q: should the installation be a separate section or does it fall under *Getting started*?)
 - Hardware requirements
 - Download?
 - Building from source?
 - Installation options:
 - tf-devstack
 - Ubuntu
 - Centos

- other?
- Docker Env file parameters (based on https://www.juniper.net/documentation/en_US/release-independent/contrail/topics/reference/contrail-docker-env-parameters.pdf)
- Upgrade
- Deployment (Q: should the deployment be a separate section or should it fall under *Deep dive*?)
- Deep Dive / Development (should describe in detail how the things work, how to debug TF and how to develop it)
- User guides
 - Configuring Virtual Networks
 - Example of Deploying a Multi-Tier Web Application
 - Configuring Services
 - Configuring Service Chaining
 - Adding Physical Network Functions in Service Chains
 - Configuring High Availability
 - Configuring Multitenancy Support
 - Load Balancers
- API & CLI
- About Tungsten Fabric (alt names: Tungsten Fabric open source project, Community)
 - Contributing to Tungsten Fabric
 - Get in touch
 - Contact channels
 - Registration and user creation
 - Contributing to the development
 - Contributing to the documentation
 - Submitting bugs
 - Submitting blueprints
 - Triaging tickets (how to work with JIRA)
 - Developer documentation (These are guides and helpful documentation to running your own local version of TF for development)
 - Gerrit Guide
 - Infrastructure Guide
 - Integration Testing Guide
 - Integration Distribution Guide
 - Integration Packaging Guide
 - Release Process Guide
 - Documentation guide
 - Where you should put your documentation
 - Installing software ([sphinx](#) and [tox](#))
 - Getting the code (Full example of GitHub workflow.)
 - Signed off
 - easyCLA
 - More reading: [here](#)
 - Running linter
 - Building
 - Updating the docs.tungsten.io
 - Principles of documentation
 - The Brand
 - Rst basics (based on [this](#))
 - Sections
 - Text Formatting
 - Inline markup and special characters (e.g., bold, italic, verbatim)
 - Headings
 - Internal and External Links
 - List and bullets
 - Images
 - Documentation versioning
 - Updating current version
 - Writing for an unreleased version
 - Releasing new version
 - More reading: [here](#) and [here](#)
 - Building documentation
 - Writing documentation
- Glossary

Existing documentation

(YMNW - Yes, Maybe, No, Write/Re-write)

1. [tungstenfabric/docs](#)

- **User Documentation**
 - [Getting Started with Tungsten Fabric](#) **Y** (move under *Quickstart / Getting started*)
 - [Getting Started with *tf-devstack*](#) **Y** (move under *Quickstart / Getting started*)
 - [Tungsten Fabric 5.1 Release](#) **N** (empty page)
 - [Release Notes: Tungsten Fabric 5.1](#) **Y** (move under *Release Notes* for the correct documentation branch/version)
 - [Table of Contents](#) **N** (empty page)
 - [Introduction](#) **N** (empty page)

- [New and Changed Features](#) Y
- [Supported Platforms Tungsten Fabric 5.0](#) Y
- [Known Behavior](#) Y
- [Resolved Issues](#) Y
- [Deprecated Items](#) Y
- [Requesting Technical Support](#) N (contact will be covered by *Get in touch*)
- [Tungsten Fabric 5.0.1 Release](#) N (empty page)
 - [Getting Started with Tungsten Fabric 5.0.1](#) Y (move under *Quickstart / Getting started* for the correct documentation branch /version)
 - [Release Notes: Tungsten Fabric 5.0.1](#) Y (move under *Release Notes* for the correct documentation branch/version)
 - [Table of Contents](#) N (empty page)
 - [Introduction](#) N (empty page)
 - [New and Changed Features](#) Y
 - [Supported Platforms Tungsten Fabric 5.0](#) Y
 - [Known Behavior](#) Y
 - [Resolved Issues](#) Y
 - [Deprecated Items](#) Y
 - [Requesting Technical Support](#) N (contact will be covered by *Get in touch*)
- [Tungsten Fabric 5.0 Release](#) N (empty page)
 - [Release Notes: Tungsten Fabric 5.0](#) Y (move under *Release Notes* for the correct documentation branch/version)
 - [Table of Contents](#) N (empty page)
 - [Introduction](#) N (empty page)
 - [New and Changed Features](#) Y
 - [Supported Platforms Tungsten Fabric 5.0](#) Y
 - [Known Behavior](#) Y
 - [Resolved Issues](#) Y
 - [Deprecated Items](#) Y
 - [Requesting Technical Support](#) N (contact will be covered by *Get in touch*)
- [Contribute to Tungsten Fabric](#) N (empty page)
 - [Getting Started as a Contributor](#) N (empty page)
 - [Getting Started as a Developer](#) Y (move under *Building the code*)
 - [Processes before submitting a blueprint](#) Y (move under *Get in touch*)
 - [Blueprint Submission](#) Y (move under *Get in touch*)
 - [Code Submission](#) Y (move under *Get in touch*)
 - [Test plan Submission](#) Y (move under *Get in touch*)
 - [Tungsten Fabric JIRA workflow](#) N (JIRA workflow is visible in the Jira itself, description of the task type is clear and PTL can always correct wrongly assigned type, workflow for Blueprints should be covered in *Blueprint submission*)
 - [How to review a patch in Gerrit](#) Y (move under *Building the code*)
- [Infrastructure](#) N (will be superseded by *Infrastructure Guide*)
- [Administration](#) N (will be superseded by *Gerrit Guide, Integration Testing Guide, Integration Distribution Guide, Integration Packaging Guide*)
- [Tungsten Fabric Governance](#) Y (will go to Wiki)
 - [Tungsten Fabric Architecture Review Board](#) Y (will go to Wiki)
 - [ARB members](#) Y (will go to Wiki)
 - [Tungsten Fabric Governance Working Group](#) Y (will go to Wiki)
 - [Governance Resolutions](#) Y (will go to Wiki)
 - [Community Committee Members](#) Y (will go to Wiki)
 - [Tungsten Fabric Community Infrastructure Working Group](#) Y (will go to Wiki)
 - [Tungsten Fabric Technical Steering Committee Working Group](#) Y (will go to Wiki)
 - [Technical Steering Committee Working Group Resolutions](#) Y (will go to Wiki)
 - [Technical Committee Members](#) Y (will go to Wiki)
 - [Project Team Leads](#) Y (will go to Wiki)
- [Manual CLA Administration](#) Y (will go to either *Get in touch* or *Developer Documentation*)

2. [Tungstenfabric/tf-transitional-contrail-docs/doc/release-notes/](#) N (already incorporated into tungstenfabric/docs)

3. [Tungstenfabric/tf-transitional-contrail-docs/doc/getting-started-guide/](#) M (might be useful as legacy documentation but the newer version is mentioned in point 12)

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 - Understanding Tungsten Fabric
 - [Tungsten Fabric Overview](#)
 - [Tungsten Fabric Description](#)
- Installing and Upgrading Tungsten Fabric
 - Server Requirements and Supported Platforms
 - [Server Requirements and Supported Platforms](#)
 - Installing Tungsten Fabric and Provisioning Roles
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- [Tungsten Fabric Global Controller](#)
 - [Role and Resource-Based Access Control](#)
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 - [More Efficient Flow Queries](#)
 - [Ceilometer Support in a Tungsten Fabric Cloud](#)
 - [Using Tungsten Fabric Analytics to Monitor and Troubleshoot the Network](#)
 - [Monitoring the System](#)
 - [Debugging Processes Using the Tungsten Fabric Introspect Feature](#)
 - [Monitor > Infrastructure > Dashboard](#)
 - [Monitor > Infrastructure > Control Nodes](#)
 - [Monitor > Infrastructure > Virtual Routers](#)
 - [Monitor > Infrastructure > Analytics Nodes](#)
 - [Monitor > Infrastructure > Config Nodes](#)
 - [Monitor > Networking](#)
 - [Query > Flows](#)
 - [Query > Logs](#)
 - [Example:Debugging Connectivity Using Monitoring for Troubleshooting](#)

4. <http://wiki.tungsten.io>

- [Glossary Abbreviations Definitions Y](#) (move under *Glossary*)

5. <https://github.com/tungstenfabric/website> (exposed on <https://tungstenfabric.github.io>)

- [website/Carbide/CEG/docs/index.md](#) Y (Where should it go???)
- [website/Carbide/CEG/docs/use_case_1.md](#) Y (move under *Use cases*)
- [website/Carbide/CEG/docs/use_case_2.md](#) Y (move under *Use cases*)

- [website/Carbide/CEG/docs/use_case_3.md](#) Y (move under *Use cases*)
- [website/Carbide/CEG/docs/use_case_4.md](#) Y (move under *Use cases*)
- [website/Tungsten-Fabric-15-minute-deployment-with-k8s-on-AWS.md](#) Y (move under *Installation options*)
- [website/Tungsten-Fabric-Centos-one-line-install-on-k8s.md](#) Y (move under *Installation options*)
- [website/Tungsten-Fabric-Ubuntu-one-line-install-on-k8s.md](#) Y (move under *Installation options*)
- [website/Tungsten-Fabric-Architecture.md](#) Y (move under *Architectural overview*)
- [website/L10N/Tungsten-Fabric-Architecture-CN.md](#) M (discuss is there a reason for having just one page in other languages)

6. <https://github.com/Juniper/contrail-controller/>

- <https://github.com/Juniper/contrail-controller/wiki/Kubernetes> Y (Where should it go???)
- <https://github.com/Juniper/contrail-controller/wiki/Install-K8s-using-Kubeadm> Y (should it go under *Installation options*???)

<https://github.com/tungstenfabric/tf-ansible-deployer> M (all below materials should be checked if they are valid for latest version or should they be archived)

- [tf-ansible-deployer/README.md](#) M (should be checked if it's valid for latest version or should they be archived)
- [tf-ansible-deployer/README_vcenter.md](#) M (should be checked if it's valid for latest version or should they be archived)
- [tf-ansible-deployer/README_ziu.md](#) M (should be checked if it's valid for latest version or should they be archived)
- [tf-ansible-deployer/contrail_configuration.md](#) M (should be checked if it's valid for latest version or should they be archived)
- [tf-ansible-deployer/examples/aws1.md](#) M (should be checked if it's valid for latest version or should they be archived)
- [tf-ansible-deployer/examples/aws2.md](#) M (should be checked if it's valid for latest version or should they be archived)
- [tf-ansible-deployer/examples/aws_k8s.md](#) M (should be checked if it's valid for latest version or should they be archived)
- [tf-ansible-deployer/examples/gce1.md](#) M (should be checked if it's valid for latest version or should they be archived)
- [tf-ansible-deployer/examples/kvm1.md](#) M (should be checked if it's valid for latest version or should they be archived)
- [tf-ansible-deployer/examples/mesos_bms.md](#) M (should be checked if it's valid for latest version or should they be archived)
- <https://github.com/Juniper/contrail-ansible-deployer/wiki/Contrail-with-Openstack-Kolla> N (already incorporated in the Wiki folder)
- <https://github.com/Juniper/contrail-ansible-deployer/wiki/Debugging-contrail-code-in-contrail-microservice> N (already incorporated in the Wiki folder)

8. <https://github.com/tungstenfabric/tf-vnc>

- <http://juniper.github.io/contrail-vnc/README.html> Y (should it be moved to *Building from source*???)

9. <https://contrail-api-cli.readthedocs.io> M (should be checked if it's valid for latest version or should they be archived)

10. https://www.juniper.net/documentation/en_US/contrail20/information-products/pathway-pages/api-guide-2005/index.html# M (should be checked if it's valid for latest version or should they be archived)

11. Contrail Networking Architecture Guide

- https://www.juniper.net/documentation/en_US/release-independent/solutions/information-products/pathway-pages/sg-010-contrail-networking-arch-guide.pdf

12. https://www.juniper.net/documentation/en_US/contrail5.0/topics/concept/overview-virtual-network-controller.html

- Overview
 - Understanding Contrail Controller
 - [Contrail Overview](#)
 - [Contrail Description](#)
- Installing and Upgrading Contrail
 - Supported Platforms and Server Requirements
 - [Server Requirements and Supported Platforms](#) N (will be incorporated in release notes)
 - Installing Contrail and Provisioning Roles
 - [Introduction to Containerized Contrail Modules](#)
 - [Introduction to Contrail Microservices Architecture](#)
 - [Downloading Installation Software](#)
 - [Overview of contrail-ansible-deployer used in Contrail Command for Installing Contrail with Microservices Architecture](#)
 - [Installing Contrail with OpenStack and Kolla Ansible](#)
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 - [Configuring MD5 Authentication for BGP Sessions](#)
 - [Configuring the Data Plane Development Kit \(DPDK\) Integrated with Contrail vRouter](#)
 - [Configuring Contrail DPDK vRouter to Run in a Docker Container](#)
 - [Configuring Single Root I/O Virtualization \(SR-IOV\)](#)
 - [Configuring Virtual Networks for Hub-and-Spoke Topology](#)
 - [Configuring Transport Layer Security-Based XMPP in Contrail](#)
 - [Configuring Graceful Restart and Long-lived Graceful Restart](#)
 - [Remote Compute](#)

- [Dynamic Kernel Module Support \(DKMS\) for vRouter](#)
- [Upgrading Contrail Software](#)
 - [Contrail In-Service Software Upgrade from Releases 3.2 and 4.1 to 5.0.x using Ansible Deployer](#)
 - [Contrail In-Service Software Upgrade from Releases 3.2 and 4.1 to 5.0.x using Helm Deployer](#)
- [Backup and Restore Contrail Software](#)
 - [Backing up Contrail Databases in JSON Format](#)
- [Multicloud Contrail](#) **N** (this is proprietary software of Juniper)
 - [Contrail Deployment on Microsoft Azure](#) **N** (this is proprietary software of Juniper)
 - [Deploying Contrail on Microsoft Azure](#) **N** (this is proprietary software of Juniper)
 - [On-Premise and Azure Multicloud Deployment](#) **N** (this is proprietary software of Juniper)
 - [Modifying Multicloud Topology](#) **N** (this is proprietary software of Juniper)
 - [Deploying Contrail Enterprise Multicloud using REST API](#) **N** (this is proprietary software of Juniper)
- [Using Contrail with Kubernetes](#)
 - [Contrail Integration with Kubernetes](#)
 - [Installing and Managing Contrail 5.0 Microservices Architecture Using Helm Charts](#)
 - [Provisioning of Kubernetes Clusters](#)
 - [Using Helm Charts to Provision Multinode Contrail OpenStack Ocata with High Availability](#)
 - [Using Helm Charts to Provision All-in-One Contrail with OpenStack Ocata](#)
 - [Accessing a Contrail OpenStack Helm Cluster](#)
 - [Frequently Asked Questions About Contrail and Helm Charts](#)
 - [Contrail Deployment with Helm](#)
 - [Verifying Configuration for CNI for Kubernetes](#)
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 - [Underlay Network Configuration for ContrailVM](#)
 - [Using the Contrail and VMware vCenter User Interfaces to Manage the Network For Contrail Releases 5.0 and 5.0.1](#)
 - [Using the Contrail and VMware vCenter User Interfaces to Manage the Network For Contrail Release 5.0.2](#)
 - [Integrating Contrail Release 5.0.X with VMware vRealize Orchestrator](#)
 - [Installing and Provisioning Contrail VMware vRealize Orchestrator Plugin](#)
- [Using Contrail with Red Hat](#)
 - [Deploying Contrail with Red Hat OpenStack Platform Director 13](#)
 - [Provisioning Red Hat OpenShift Container Platform Clusters Using Ansible Deployer](#)
- [Contrail and AppFormix Kolla/Ocata OpenStack Deployment](#) **N** (this is proprietary software of Juniper)
 - [Contrail and AppFormix Deployment Requirements](#) **N** (this is proprietary software of Juniper)
 - [Preparing for the Installation](#) **N** (this is proprietary software of Juniper)
 - [Run the Playbooks](#) **N** (this is proprietary software of Juniper)
 - [Accessing Contrail in AppFormix Management Infrastructure in UI](#) **N** (this is proprietary software of Juniper)
 - [Notes and Caveats](#) **N** (this is proprietary software of Juniper)
 - [Example Instances.yml for Contrail and AppFormix OpenStack Deployment](#) **N** (this is proprietary software of Juniper)
 - [Installing AppFormix for OpenStack](#) **N** (this is proprietary software of Juniper)
 - [Installing AppFormix for OpenStack in HA](#) **N** (this is proprietary software of Juniper)
- [Using Contrail with Juju Charms](#)
 - [Deploying Contrail by Using Juju Charms](#)
- [Contrail Command](#) **N** (Tungsten doesn't have Contrail Command)
 - [Configuring Contrail Command](#) **N** (Tungsten doesn't have Contrail Command)
 - [Deploying Contrail Cluster using the Contrail Command UI](#) **N** (Tungsten doesn't have Contrail Command)
 - [Deploying Contrail Cluster using Contrail-Command and instances.yml](#) **N** (Tungsten doesn't have Contrail Command)
 - [Importing Contrail Cluster Data using Contrail Command](#) **N** (Tungsten doesn't have Contrail Command)
- [Extending Contrail to Physical Routers, Bare Metal Servers, Switches, and Interfaces](#)
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 - [Monitor > Infrastructure > Dashboard](#)
 - [Monitor > Infrastructure > Control Nodes](#)
 - [Monitor > Infrastructure > Virtual Routers](#)
 - [Monitor > Infrastructure > Analytics Nodes](#)
 - [Monitor > Infrastructure > Config Nodes](#)
 - [Monitor > Networking](#)
 - [Query > Flows](#)
 - [Query > Logs](#)
 - [Understanding Flow Sampling](#)
 - [Example: Debugging Connectivity Using Monitoring for Troubleshooting](#)
- Common Support Answers
 - [Debugging Ping Failures for Policy-Connected Networks](#)
 - [Debugging BGP Peering and Route Exchange in Contrail](#)
 - [Troubleshooting the Floating IP Address Pool in Contrail](#)
 - [Removing Stale Virtual Machines and Virtual Machine Interfaces](#)
 - [Troubleshooting Link-Local Services in Contrail](#)
- Contrail Commands and APIs
 - Contrail Commands **N** (Tungsten doesn't have Contrail Command)
 - [Getting Contrail Node Status](#) **N** (Tungsten doesn't have Contrail Command)
 - [contrail-logs \(Accessing Log File Messages\)](#) **N** (Tungsten doesn't have Contrail Command)
 - [contrail-status \(Viewing Node Status\)](#) **N** (Tungsten doesn't have Contrail Command)
 - [contrail-version \(Viewing Version Information\)](#) **N** (Tungsten doesn't have Contrail Command)
 - [service \(Managing Services\)](#) **N** (Tungsten doesn't have Contrail Command)
 - [Backing Up Contrail Databases Using JSON Format](#) **N** (Tungsten doesn't have Contrail Command)
 - Contrail Application Programming Interfaces (APIs)
 - [Contrail Analytics Application Programming Interfaces \(APIs\) and User-Visible Entities \(UVEs\)](#)
 - [Log and Flow Information APIs](#)
 - [Working with Neutron](#)
 - [Support for Amazon VPC APIs on Contrail OpenStack](#)
- Downloads **N** (currently there is no plan to use PDF as documentation)
 - [Download this guide: Contrail Feature Guide](#) **N** (currently there is no plan to use PDF as documentation)

13. Release notes (https://www.juniper.net/documentation/en_US/contrail20/information-products/topic-collections/release-notes/jd0e23.html#jd0e23)

- Release Notes: Contrail Networking 2005.1
 - [Introduction](#) **N** (abundant)
 - [New and Changed Features](#)
 - [New and Changed Features in Contrail Networking Release 2005.1](#)
 - [New and Changed Features in Contrail Networking Release 2005](#)
 - [Inter Subcluster Route Filtering](#)
 - [Kubernetes 1.14.8 Support](#)
 - [Supported Platforms in Contrail Networking Release 2005](#)
 - [Known Behavior](#)
 - [Known Behavior in Contrail Networking Release 2005.1](#)
 - [Known Behavior in Contrail Networking Release 2005](#)
 - [Resolved Issues](#)
 - [Documentation Updates](#)
 - [Contrail Insights Available in hub.juniper.net](#)
 - [Contrail Command Screenshots](#)
 - [Documentation Feedback](#)
 - [Requesting Technical Support](#)
 - [Revision History](#)

14. <https://github.com/tonyliu0592/contrail/wiki/API-Configuration>

- <https://github.com/tonyliu0592/contrail/wiki/API-Configuration> **Y** (Where should it go???)
- <https://github.com/tonyliu0592/contrail/wiki/API-Configuration-REST> **Y** (Where should it go???)
- <https://github.com/tonyliu0592/contrail/wiki/API-Configuration-Python> **Y** (Where should it go???)

15. <https://github.com/tungstenfabric/docs-backup> **N** (already incorporated into tungstenfabric/docs)

16. <https://github.com/tungstenfabric/opencontrails-docs> **N** (already incorporated into tungstenfabric/docs)

17. [tungstenfabric/tf-old-docs](#)

- doc **N** (already incorporated into tungstenfabric/docs)
- wiki **N** (already moved to tungstenfabric/docs but, later it will be reviewed and incorporated into documentation structure)