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OPERATION AND MAINTENANCE FOR BHUVAN WIKI

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Document Control Sheet

Document Control Sheet

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	Abstract (with Keywords): The document explains the operation and maintenance plan for Bhuvan wiki.				

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1. Introduction

Bhuvan wiki is a web based application to disseminate Information about Bhuvan and for Simplify the collaboration between users and promoting outreach. Main features of Bhuvan wiki are editing, search, review, notification, authentication, and dashboard.

2. Description/Purpose

The purpose of this document is to provide information on Operation and Maintenance of Bhuvan wiki application.

3. Approval Date

As per the document control sheet mentioned in page 2

4. Scope

4.1 Identification

This document applies to Bhuvan wiki: version 1 release 1

4.2 System Overview

Bhuvan Wiki is a web based application configured to provide a digital repository of knowledge related to Bhuvan services, data and applications in public domain.

4.3 Document Overview

The purpose of this document is to enable smooth operations and maintenance of Bhuvan wiki. The documents will be shared with Quality and security compliance team and deployment team

5. Referenced Documents

1. Bhuvan wiki-Software Requirement Specifications Document NRSC-DPPA&WAA-G&WGS-BHUVAN-OCT-2019-TR-0001375-V1.0
2. Bhuvan wiki - Software Design Description Document NRSC-DPPA&WAA-G&WGS-BHUVAN-OCT-2019-TR-0001376-V1.0
3. Bhuvan wiki-Software Test Case Document NRSC-DPPA&WAA-G&WGS-BHUVAN-OCT-2019-TR-0001373-V1.0

6. Software Summery

6.1 Software Application

The application is meant to be used by all class of users who have interest in Bhuvan data, applications and services.

6.2 Software inventory

Bhuvan wiki consist of following steps for installing it.

- Requirements - Webserver, PHP and MySQL
- Copying files in folder
- Starting the installation with following settings -
 - a. Language selection
 - b. checking the installation environments
 - c. Database setting
 - d. wiki setting- name of wiki (Bhuvan wiki), setting a administrator user and his password.
 - e. Deposit LocalSetting.php - Finally, the "LocalSettings.php" will be provided for downloading it. Please do this and move the file to installation path. Then call and you should see a complete installation of Bhuvan Wiki, where you can log on with the previously defined username / password.

6.3 Software environment

The application can be deployed on Linux OS based server available at Bhuvan Shadnagar data centre.

6.4 Software Organization and Overview of Operations

The organization of Bhuvan wiki application as follows-

- a. The folder structure of the application as follows- Main folder consist of subfolders and files- Cache, docs, extensions, images, includes, Languages, maintenance, mw-config, resources, skins, test, vendor , index.php, localsetting.php
- b. All sub folder consist of corresponding files as per their nomenclature
- c. The application is accessible through url-http://172.31.6.184/bhuvanwiki/home

- d. The application execution time is depended on Bandwidth and network speed of Bhuvan data centre. The application is expected to have response time less than 8 seconds for a user having internet speed greater than 1 Mbps.

6. 5 Security and Privacy

Application is be deployed in server at data centre which are behind firewall and security appliances. security compliance could also be checked by scanning the codes.

6. 5 Assistance & Problem Solving

For any assistance required for problems can be reported to GD G&WGS. Any escalations can be reported to DD, DPPA&WAA.

7. Installation and set up

Step1: Install Running Environment (Apache2, MySQL, PHP)

Running environment consists of apache2 server, mysql and php.

Step 2: Installation and setup download

Move the Downloaded folder in the Apache document root

Step 3: Configure Database

This step includes creating new account, granting privileges to the user, and creating new database to hold the Wikis.

Step 4: Web installation of wiki

- Open the link <http://172.31.6.184/bhuvanwiki>
- Set up basic config
- Remember admin account
- Download LocalSettings.php

Step 5: Start Bhuvan wiki with url link

<http://172.31.6.184/bhuvanwiki/home>

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