# TPP Portal Guide

## Introduction

### High-level Introduction

TPP Portal is a web based user interface which will help you to achieve regular activities like stopping an instance, starting an instance, deploying builds and patching. You can just use simple dropdowns and buttons to achieve these activates faster and safer manner. This will also give you the status of each nodes.

### Technical Introduction

TPP Portal is a combination multiple programing languages like html, PHP and shell scripts. Each of them having its own responsibilities and they were choose by considering our environment compatibility and reliability.

## Programing languages used

### HTML

All the static properties, controls (drop down, submit, forms) and basic behaviors are developed with HTML.

### CSS

All the designing and presentation works (colors, backgrounds, hover effects, etc.…) are created with CSS

### JSP

All the real time responsive works and foreground decisions making process are developed with JSP for its fastness and responsive features.

Example:

1. Loading drop downs based on the data you select
2. Prompting for confirmations and processing confirmations

### JQuery

JQuery used to control the data loading, basically it helps to monitor the completion of each pages and controllers you load.

### PHP

PHP is used to Process all the inputs you provide and call the respective shell scripts also it works to gather the outputs and more. This is the main component of the portal which acts as an intermediate between shell and apache

### Shell Scripts

Shell scripts are main components of the Portal where all the action items are coded. These shell script works when they get all the required inputs. Original functionalities of the portal is defined by the actions of these shell scripts.

## Configuring an environment

Tracing Logs