

# PCEI Test Document

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## Introduction

The [Public Cloud Edge Interface \(PCEI\)](#) blueprint family is to specify a standard set of APIs to expose towards Public Cloud Service Provider instances at the Edge. In this document, we will give an overview about PCEI testing done in CI/CD.

Testing of the PCEI is done in CI/CD using the validation labs described [here](#).

## Test description

Due to the time constraint for Release 3, we are not able to execute an end-to-end test for validation. For now the tests are against a few selected location APIs to be exposed on a PCEI enabler, and therefore the hardware requirement is minimal: a physical server or VM running with 4GB RAM, 16GB storage. The validation of the PCEI project in CI/CD consists in several steps:

1. Manually deploy the PCEI docker image on a pre-installed Ubuntu server or VM
2. Run the validation tests against the exposed APIs by the PCEI docker image

### 1. Manual deployment test

The deployment is done by following the instructions per the [PCEI installation guide](#).

#### Expected output

The script will get the information from the service URL for hosting the APIs. Just as follows:

```
wget -O /dev/null "http://serviceIP:servicePort"
```

#### Test Results

### 2. API Test

Enabling this step is still in progress for Release

### 3. Test Procedure

The tests are ran using the [Akraio Blueprint Validation](#) project procedure, by calling the [Bluval Jenkins job](#)

#### Expected output

All tests pass

## Test Dashboards

Single pane view of how the test score looks like for the Blue print.

Total Tests	Test Executed	Pass	Fail	In Progress
2	2	1	0	1