

OnTimeMeasure-GENI OnTimeBeacon Installation and Management

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1. Getting Started

This document describes the installation, configuration and usage of OnTimeMeasure OnTimeBeacon(also known as the web portal), which is a prototype measurement service for the GENI facility users. The measurement service can be used to perform centralized and distributed orchestration and provisioning of active measurements within experiment slices for purposes such as:

- Network paths monitoring
- Network weather forecasting
- Network performance anomaly detection
- Network-bottleneck fault-location diagnosis

The ['OnTimeMeasure researcher web-portal'](#) enables ProtoGENI/Emulab and PlanetLab users to register, create and monitor experiment slices on geographically distributed resources in their facility.

Before proceeding further, we highly recommend reading the [Early Experimenter Tutorial](#).

2. Requirements

The OnTimeMeasure OnTimeBeacon software package has the following requirements:

- Operating System:* Any Linux or Unix
- Software Environment:* Apache, PHP, MySQL
- Software Libraries:* sendmail, curl, php-mail, php-curl

3. Installation

Use PhpMyAdmin or any other MySQL client, import the "OnTimeMeasure.sql" which locates in the "install" folder.

Download the OnTimeBeacon package and unpack it to the server's /var/www folder.

Rename the "config_example.php" to "config.php" and open it to config the database and notification emails.

4. Management

Administrators of OnTimeBeacon will get email notice when there is a new user registered or a new slice is set.

New user registration needs to be manually approved. When getting the email notification, an administrator can log in to the web portal var user "admin". Click the "Approve" button to activate the user or "delete" to remove the record if it is a spam. An automatically generated email will be send to the user noticing the user is activated.