

Presto User Guide

Last Updated: 3-Mar-2012

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Overview

What is Presto?

Presto is an automated deployment tool. It allows users to create deployment steps and then have servers update themselves when new versions of an app are ready. This allows for automated deployments to development, QA, and production environments.

The Deployment Process

1. Within the Presto Dashboard, set up applications, servers, and variables.
2. When a new version of an application is ready to be deployed, copy the binaries to a common location.
3. Within the Presto Dashboard, initiate a deployment.
4. To deploy new versions of an application, go to step two.

What are the benefits of Presto?

- Deployment is automated; manual error is significantly reduced.
- Logging
 - When users add an application to a server
 - When users initiate a deployment
 - Overall installation summary: server, app, start time, end time, result/status
 - Installation details of each task when Presto installs an app
- Flexibility: Variables are created and used by applications and servers
- Ease of use
 - Deploy an application (or many apps) to a specific server
 - Deploy an application to all servers within an environment (i.e.: QA)
 - Presto will update itself on all servers when a new version is available

The Pieces

- **Presto Dashboard:** This is the application with which the user administers Presto. The user will create applications (and their tasks), set up servers, and create/use custom variables.
- **Presto Task Runner:** This is the actual deployment engine, running as a service on all servers. It polls the database to detect when an installation needs to occur.
- **Database:** RavenDB

What Presto Does

- Modify XML documents; usually configuration files
- Copy files
- Command prompt tasks. Examples:
 - Create a Windows service
 - Configure and start a windows service
 - Stop a clustered resource
 - Execute a batch file

- Anything else that can be done at a command prompt

In a nutshell, Presto performs the three main tasks listed above. The power is in the third feature: command prompt tasks. Basically, anything that can be done at a command prompt can be automated with Presto.

What Presto Doesn't Do

- Deploy ClickOnce apps
- Deploy database schema and scripts

Sample Setup and Deployment – Screenshots

Installation

RavenDB

Presto currently uses build 573 of RavenDB, found here:

<http://builds.hibernatingrhinos.com/builds/RavenDB>

Download RavenDB-Build-573 and save it on the server's (what will be your DB server) hard disk.

Unzip...

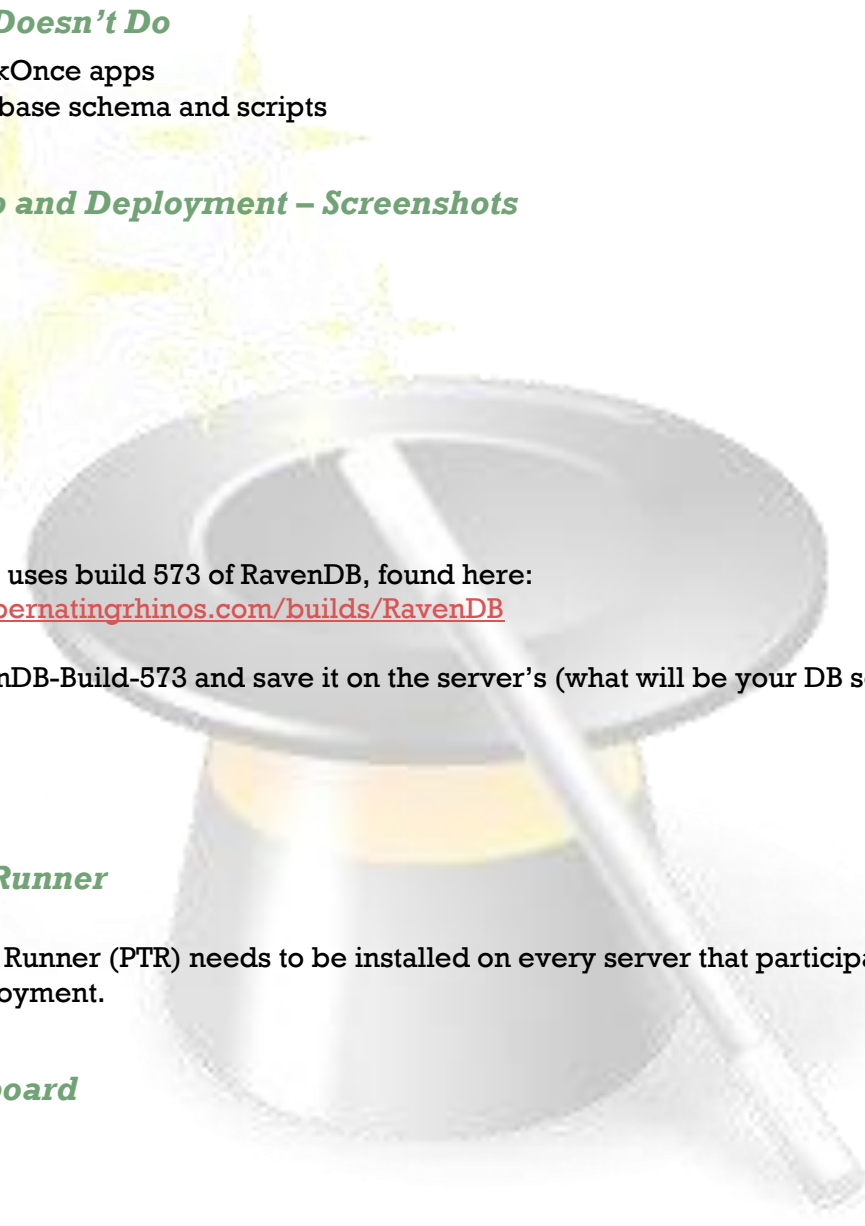
Presto Task Runner

The Presto Task Runner (PTR) needs to be installed on every server that participates in automated deployment.

Presto Dashboard

Dashboard...

Setting up Applications



Setting up Servers

Creating and Using Custom Variables

Deployments

Initiating Deployments

Monitoring Deployments

