Perceptive Reach:

Integrated Reach Database System

(IRDS)

Installation Guide



Department of Veterans Affairs

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Version *0.0*

Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| 5/14/2015 | 0.0 | First Draft | Robert Snelling |
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# Introduction

## Purpose

The purpose of this installation guide is to provide instructions for use by the technical staff who will install the Integrated Reach Database System which consist of a two server setup, database server and application server.

## Scope

The document is intended for system administrator level technical staff with knowledge and experience in database and application installation and configuration.

## General Principles

## Quality Control

# Installation Manual

## Pre-requisites

* The entire installation process requires an administrator authority.

### Database Server

* Windows Server

### Application Server

* Windows Server 2008, or Windows Server 2012
* IIS 7.x with IIS Management Tools and ASP.NET
* WebSocket functionality requires IIS 8.x on Windows 8 or Windows Server 2012
* URL rewrite module for IIS

## Pre-installation Tasks

## Installation Procedure

### Database

### Analytics

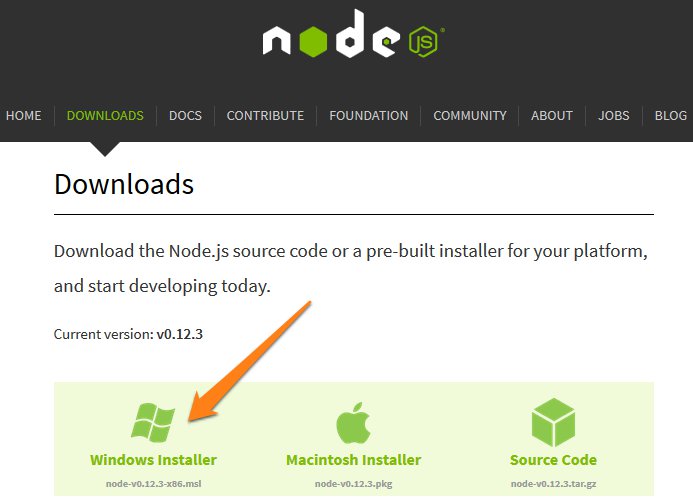
### Dashboard Application

Follow the steps below to install the Dashboard application.

1. **Install Node.js (**<https://nodejs.org/download/>**) – Latest Version**

**Node.js® is a platform built on Chrome's JavaScript runtime for easily building fast, scalable network applications. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient, perfect for data-intensive real-time applications that run across distributed devices.**

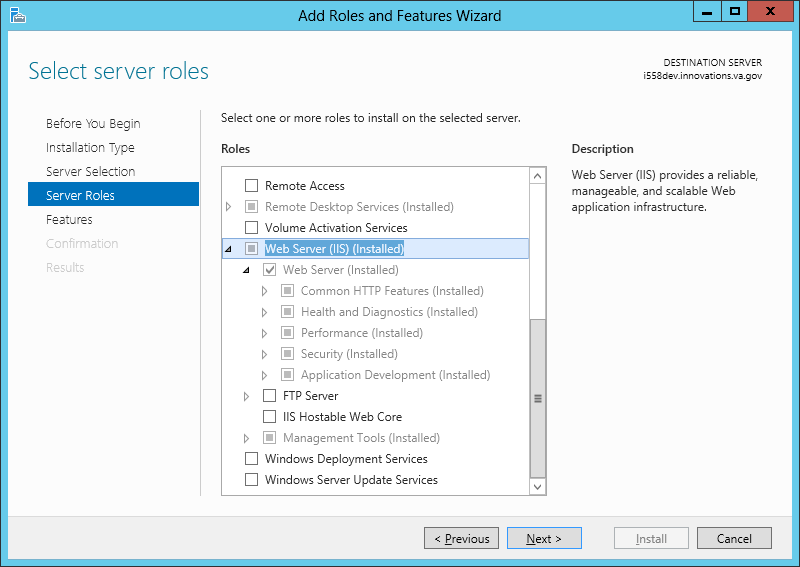
1. **Download the latest version of node.js.**

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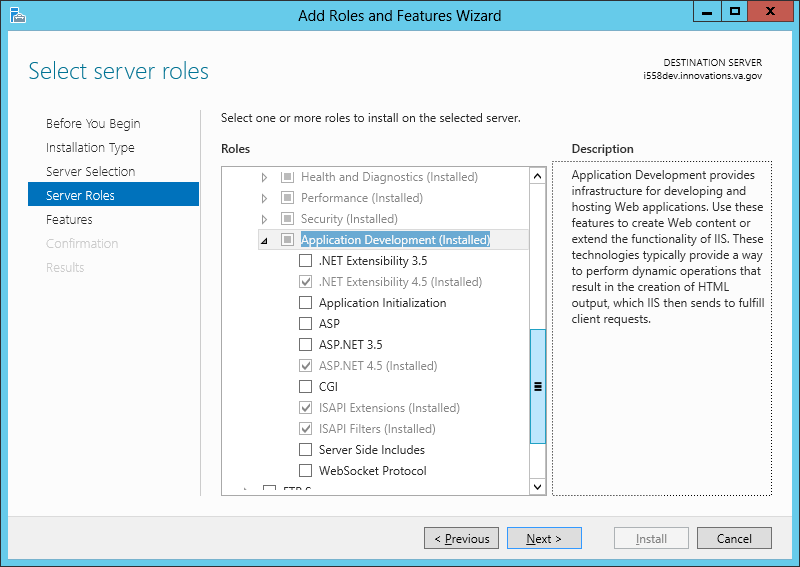
1. **Follow the default prompts for the installation.**
2. **Install iisnode (**<https://github.com/tjanczuk/iisnode>**)**

**iisnode is a native IIS module that allows hosting of node.js applications in IIS on Windows.**

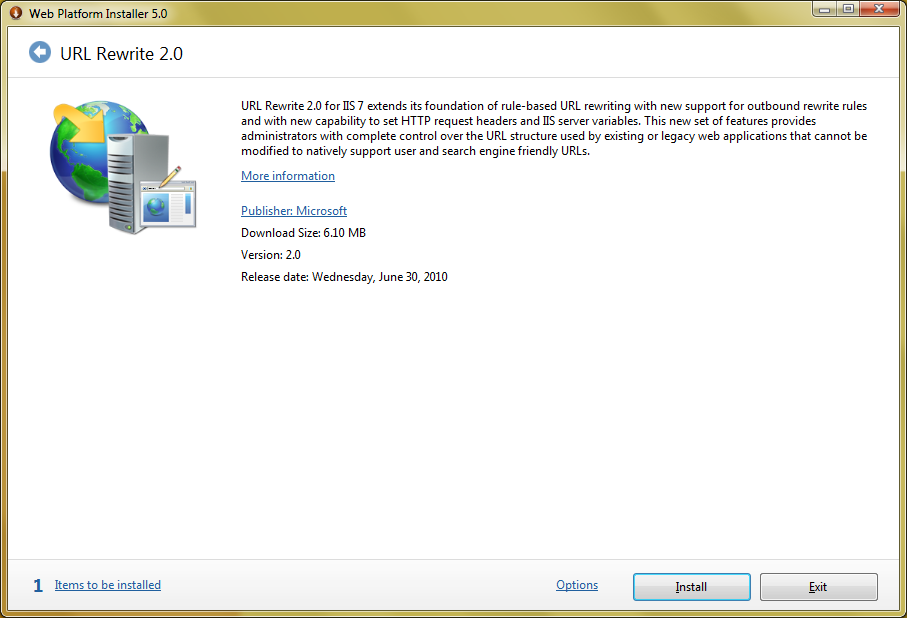
* 1. Verifyt IIS Installed



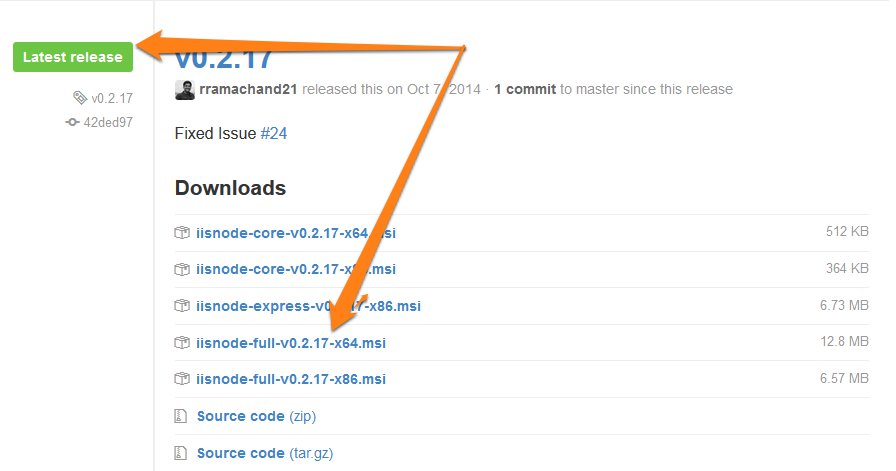
* 1. IIS - > Application Development -> image



* 1. URL ReWrite Module - <http://www.iis.net/downloads/microsoft/url-rewrite>

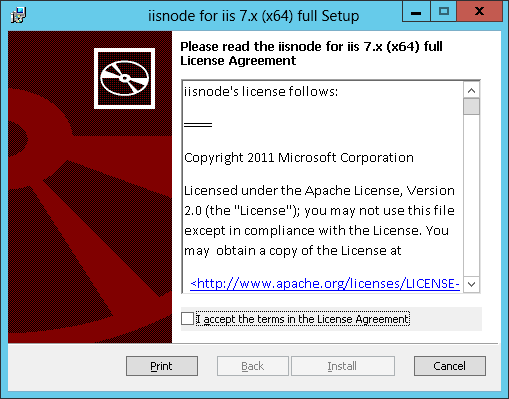


1. **Download the latest “full” version of iisnode at** <https://github.com/azure/iisnode/releases/>

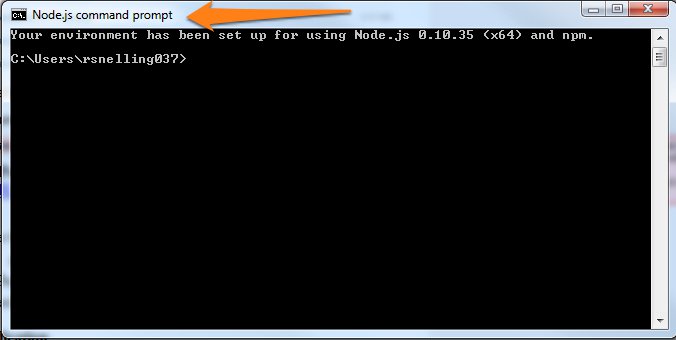
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**Note: Choose bitness that matches the installation server – x64**

1. **Follow the default prompts for the installation.**



1. **Download the Perceptive Reach Application Code from GitHub**
2. **Download the core Perceptive Reach Code from** <https://github.com/VHAINNOVATIONS/PerceptiveReach/tree/stable>
   * Git Bash –
     + Create the c:\PerceptiveReach directory if it doesn’t exists
       - mkdir c:\PerceitiveReach
     + cd c:\PerceptiveReach
     + git checkout stable
3. **Install Dashboard Application via Node.js command prompt**



1. Run the following commands in order
   1. npm install –g grunt-cli
   2. npm install –g bower
   3. npm install
   4. bower install

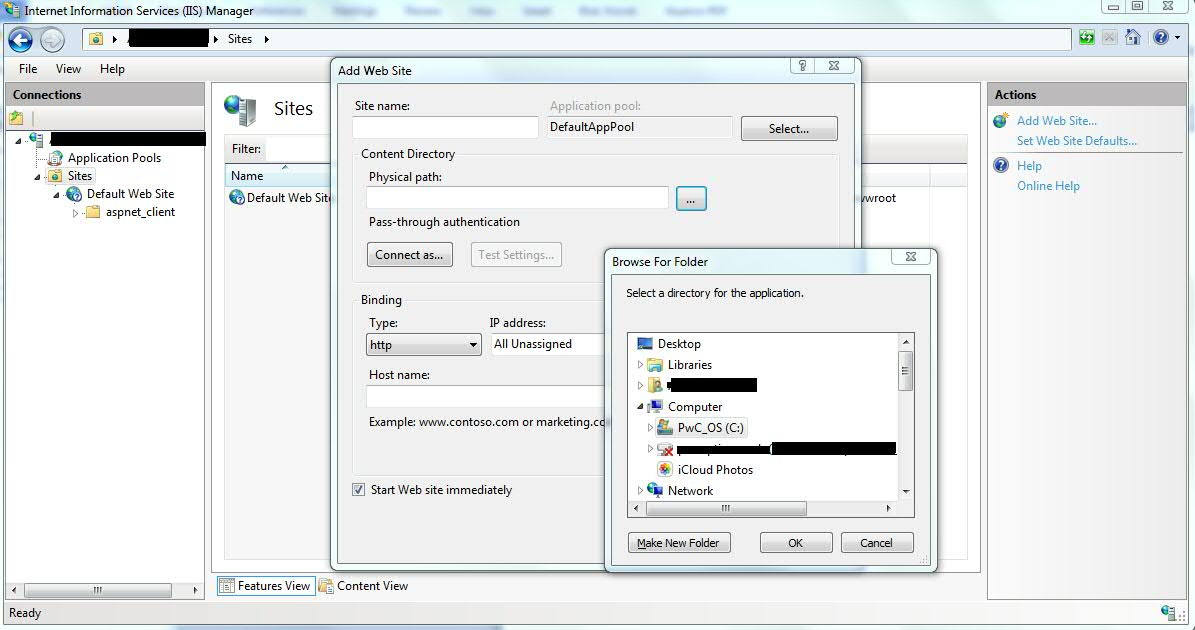
### Direct Messaging

### Systems

### Configuration

Configure IIS site

* 1. Folder – Where built (compiled) code resides



* 1. Domains – <official domain name>
  2. Web.config must exist with rewrite rules

1. Start IIS Site – Test

## Tasks Description

## Post-installation

## Technical Tests

## Uninstall or Roll-back

# Additional Information

## Acronyms, Abbreviations

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## Reference Documents

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## Contact Information

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