On- Premises Prerequisites

Repstor Custodian
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Introduction

1.1 Document Overview

This document outlines the prerequisites for installation of the Repstor Custodian server components. There are two main parts:

- **SharePoint Server Configuration.** This may be complete or partially complete if there are other apps already installed to the environment.

- Repstor Custodian Web Server Pre-configuration (in preparation for installation of Repstor custodian)

**Note** ‘SharePoint Add-In’ is the new name for ‘SharePoint App’. Parts of the SharePoint UI and documentation still refer to apps; this document will use the newer term ‘Add-In’.

1.2 Software Prerequisites

The summary of the software prerequisites are as follows:

- SharePoint 2013 or above
  - Configured for add-in support (steps to complete are included in this document)
  - March 2016 Cumulative Update

  **Note** Not mandatory if workflow is not required

- A server to host the Repstor Custodian web application
  - Windows Server 2012 or above with MSMQ installed
  - IIS 8 or above, Windows Authentication
  - DNS configuration for a host name to point to the custodian web application (e.g. [https://custodian.mycompany.com](https://custodian.mycompany.com)) with a valid SSL certificate

1.3 Hardware Requirements

You can use the following method to calculate the hardware requirements, provided the server is also hosting a provisioning engine service.

- **RAM (in GB):** (Number of users / 100) with a minimum of 2GB.
- **Number of CPU cores:** (Number of users / 250) with a minimum of 2
- **Disk:** 10GB disk space

For environments with less than 10 users, it may be acceptable to use a SharePoint web front end server for installation of Repstor custodian.
1.4 Client-side software requirements

The following browsers support Custodian web interface:

- **Microsoft Internet Explorer**: custodian support is aligned to Microsoft's support for Internet Explorer which is available at [https://support.microsoft.com/en-us/help/17454/lifecycle-faq-internet-explorer](https://support.microsoft.com/en-us/help/17454/lifecycle-faq-internet-explorer)

- **Edge**: latest two major versions
- **Chrome**: latest two major versions
- **Safari**: latest two major versions
- **Firefox**: latest two major versions
SharePoint Server Configuration

2.1 SharePoint Server Configuration for add-in support

SharePoint 2013 and above support add-ins which are entirely distinct from traditional SharePoint Solutions. However, a SharePoint environment requires a few manual configuration steps before it is ready for the installation of an Add-In. This only needs to be performed once in each environment.

The Microsoft documentation for these steps is available here: https://technet.microsoft.com/en-us/library/fp161236.aspx

This document provides a more concise version of the steps.

2.2 Configuration of app domain

A domain must be configured under which SharePoint will host add-in Webs.

**Note** This is different from the domain which must be configured for hosting the Repstor custodian web application in later steps.

1. Decide on a SharePoint apps domain name. This is normally of the form “addins-mycompany.com”. It could be a subdomain – e.g. apps.mycompany.com – but this is not recommended.

2. Create a wildcard alias (CNAME) record such that *.addins-mycompany.com => sharepoint.mycompany.com.

   This will mean that SharePoint-generated addresses like https://app-76364645FSD.apps-mycompany.com will resolve to your SharePoint server.

2.3 Configure Service Applications

Add-ins rely on the App Management Service and Microsoft SharePoint Foundation Subscription Settings Service applications. You must be a Farm Administrator to perform this step.

**Start Services**

1. In Central Admin, select System Settings -> Manage services on server.

2. Start the Subscription Settings Service and App Management Service:
Create Service Applications

The App Management Service Application and Subscription Settings Service Application must now be created. This can be done either via PowerShell commands, or Central Administration. Instructions for creating these service applications are here.

2.4 Configure Add-In URLs

In this step, you configure Central Admin with the Add-In wildcard URL you configured earlier.

1. In Central Admin, click Apps, then click Configure App URLs. In the App domain box, enter the URL you created earlier eg. addins-mycompany.com.

2. In the App prefix box, enter apps.
3. Click OK  
   **Important** To fully apply these changes, stop the SharePoint Timer service, restart the World Wide Web publishing service, and start the SharePoint Timer service again.

### 2.5 Create an Add-in Catalog site

This is the SharePoint site collection which will act as a directory for your add-ins.

1. In Central Admin, click Apps -> App management -> Manage App Catalog.
2. Select a Web Application for which you want to create a catalog.
3. Select **Create a new app catalog site**, then click **OK**. Follow the instructions to create the site.

### 2.6 Complete

Configuration of SharePoint to support apps is complete when you have completed

- Configuring the App Domain.
- Configuring Add-in URLs.
- Creating an Add-in Catalog Site.
Repstor Custodian Web Server Pre-configuration

3.1 IIS

The web server on which Repstor custodian will be installed must have IIS8 with ASP.Net 4.6.1 or above:
1. Go to server manager, click Add Roles and Features.
2. In the Roles section select Web Server.
3. Under Application Development select NET Extensibility 4.6.1 (or above), ASP.NET 4.6.1 (or above), both ISAPI entries
4. In the Features section select NET 4.6.1 (or above), ASP.NET 4.6.1 (or above)
5. In the web server section select Web Server (all), Management Tools (IIS Management Console and Management Service), Windows Authentication.
6. Click Install to start installation.

3.2 Enable MSMQ

1. Launch Server Manager.
2. Navigate to Manage > Add Roles and Features.
3. Click Next in the Before You Begin screen.
4. Select Role-based or feature-based installation and click Next.
5. Select the server to install the feature and click Next.
   **Note** Do not select any server roles.
6. Click Next.
8. Continue running the wizard adding any other roles required by MSMQ (if applicable).
9. Click Install to start installation.

3.3 Web Deploy

Install Web Deploy from this website: [https://www.iis.net/downloads/microsoft/web-deploy](https://www.iis.net/downloads/microsoft/web-deploy)

3.4 DNS and SSL

You must configure your DNS settings such that the desired custodian web server URL – e.g. custodian.mycompany.com – resolves to this web server.
Additionally, a valid SSL certificate must be made available for the URL.

**Note** Untrusted certificates will work for demo purposes, but the certificate must be trusted by client machines to fully use the Repstor outlook client software.

### 3.5 Client-side configuration

To allow windows integrated authentication, add the custodian website (e.g. custodian.mycompany.com) to the Intranet zone on client machines.