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| uManage |
| Installation Instructions |
| This document is designed to assist with the initial installation of uManage. The document will cover installation of both the web application and windows service client and will also walk through the initial configuration of the system for use in most organizations. |

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# About

Welcome to uManage. This is the biggest release of the system thus far and addresses many of the reported problems and concerns over the past year. In addition one of the largest apparent changes is that there is now a Windows Service utility that compliments the web application. More importantly the web application has undergone a complete change that restyles the site to appear similar to Microsoft’s Metro style set which we hope makes the system easier for the users in your organization to use the system.

We are planning on an update to this release that will start to take shape in the coming weeks which will provide additional functionality that is still being designed.

## Codeplex

We hope and encourage our entire user base to become proactive with the Codeplex site. Make sure to participate in the discussion board, open feature requests and of course help notify other people about our project so we can get the word out. After all if we have built a great product there is really no point to paying for a similar solution.

<http://umanage.codeplex.com>

## Using this Document

Working with Active Directory is not always an easy task and does require some experience to configure and manipulate. Couple that with IIS and SQL Server and this application can be challenging to setup and install. It is expected that whoever is using this application has some background and knowledge of typical Microsoft .NET based application stacks (MSSQL/IIS) and Active Directory.

If you need something easy to install and get up and running this may not be program for you. You of course are more than welcome to post questions on the uManage discussion boards for help, just make sure to search for already asked questions.

# Requirements

The list below details the current requirements for uManage. Please be aware that this newest release requires updated versions of .NET and some other libraries. Even if you run the current releases please make sure you take a look at the updated requirements below.

## Development

* Visual Studio 2010 (SP1 used)
* .NET 4.0
* SQL Server 2008 R2
* Active Directory Test Environment (Virtual Machines are a plus)

## Web Application

* IIS 7.x.
* Microsoft .NET 4.0.
* ASP.NET installed and enabled.
* Microsoft SQL Server 2008 & R2. (Express should work)
* Windows Server 2003+ for AD integration.
* File Modify Permissions to the Windows Server install folder.

## Windows Service

* Microsoft .NET 4.0
* Windows XP, Vista, 7 (Not Tested but should work)
* Windows Server 2003, 2008, 2008 R2 (2008 R2 is tested)
* Microsoft SQL Server 2008 & R2. (Express should work)

# Installation

## Preparing the Environment

1. Download the release from Codeplex.
2. Extract the release to a folder of your choice.
   1. Once extracted there should be a folder for the Web Application, the Windows Service and for the Database.

## Database Server

1. All uManage applications require access to the database server at all times.
   1. This is a change from prior versions, previously a single configuration file was used for each program, we now store most of it in the database.
2. The release ships with all of the needed scripts to configure the database.
3. Open SQL Management Studio.
4. Create a new database with whichever name you would like to use.
5. It is possible to use either SQL Authentication or Integrated Windows Authentication with both uManage applications.
   1. Microsoft best practices recommend using Windows Integrated Authentication.
   2. If you use integrated you will need to create the proper Windows service accounts to run the web application as well as the windows service application. It can be the same account. You can also use a pre-defined account if it is ready.
6. Setup and configure the user accounts as needed.
   1. It may be easier to come back and create the user accounts and map them to the database while configuring the applications.
7. Execute the following scripts against the database in order:
   1. App.edmx.sql (Schema)
   2. App.data.sql (Initial Data)
8. Your database is ready.

## Web Application

1. Create a folder to hold the web application.
   1. Microsoft best practices recommend placing this folder on a hard drive or partition that is not on the system disk, it’s up to you though.
   2. For testing we use a path like “C:\inetpub\umanage”
2. Copy the contents of the extracted Web Application folder to the new folder.
3. Open IIS Manager Snap-In
   1. Create a new website
      1. Point the path to the new folder
      2. Assign any host headers as needed
      3. It may be advisable to also load an SSL certificate, especially for internet access.
   2. Verify Application Pool
      1. Configure your application pool user account, if using Windows Integrated Authentication for SQL Server makes sure you have configured the account properly.
      2. Ensure .NET 4.0 is selected for the pool.
      3. uManage runs in Integrated Mode.
   3. Configure Authentication
      1. Disable Anonymous Access
      2. Enable Windows Authentication
   4. Start the website
4. Verify the website is configured properly by attempting to access the URL; it should load the setup page.
5. Complete the Windows Service installation before continuing.

## Windows Service

# Configuration

## Finalize Installation

### Web Application Setup

Go through the steps of the web app setup screen.

### Windows Service Setup

Go through how to configure the windows service.

## Single Domain

## Multi-Domain Forest