



# **AppSpace Installation Guide Release 4.1.1**

## Disclaimer

Information in this document is subject to change without notice.  
Copyright © 2012 Nexus On-Demand All rights reserved.

No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission from Nexus On-Demand.

All copyright, confidential information, patents, design rights and all other intellectual property rights of whatever nature contained herein are and shall remain the sole and exclusive property of Nexus On-Demand.

The information furnished herein is believed to be accurate and reliable. However, Nexus On-Demand assumes no responsibility for its use, or for any infringements of patents or other rights of third parties resulting from its use.



## OVERVIEW

This document is intended for IT Administrator who wishes to install the AppSpace Base software on a compatible Windows Server 2008 R2 server. The recommended server specifications are below.

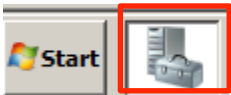
Item	Minimum Specification	Recommended Specification
Operating System	Windows Server 2008 R2 Standard Edition 32-bit	Windows Server 2008 R2 Standard Edition 64-bit
CPU	1 x Intel Xeon E5520 @ 2.26 GHz	2 x Intel Xeon X5560 @ 2.8GHz
Memory	8GB RAM @ 1333 MHz	16 GB RAM @ 1333MHz
HDD	3 x 250GB SATA, 7.2K RPM, RAID-5	4 x 500GB SATA, 7.2K RPM, RAID-10
Network	Dual 10/100/1000 NIC	Dual 10/100/1000 NIC

## WINDOWS SERVER 2008 R2 CONFIGURATION

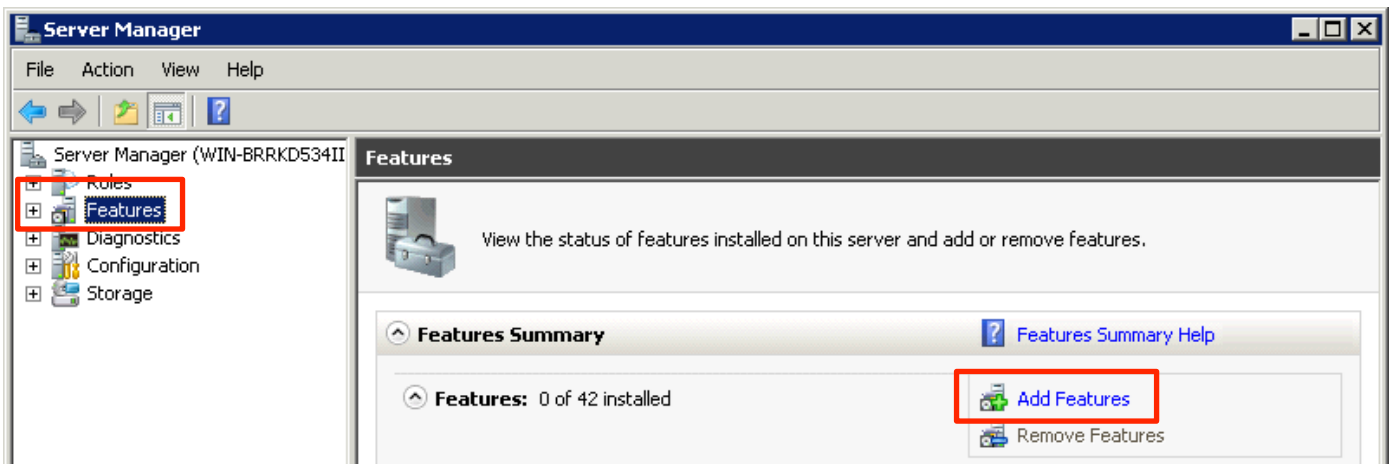
A compatible Windows Server 2008 R2 server is required to run AppSpace. To ensure maximum compatibility we highly recommend that there should be no existing applications or third-party services installed.

Please follow the steps outlined in the document to correctly install AppSpace Base.

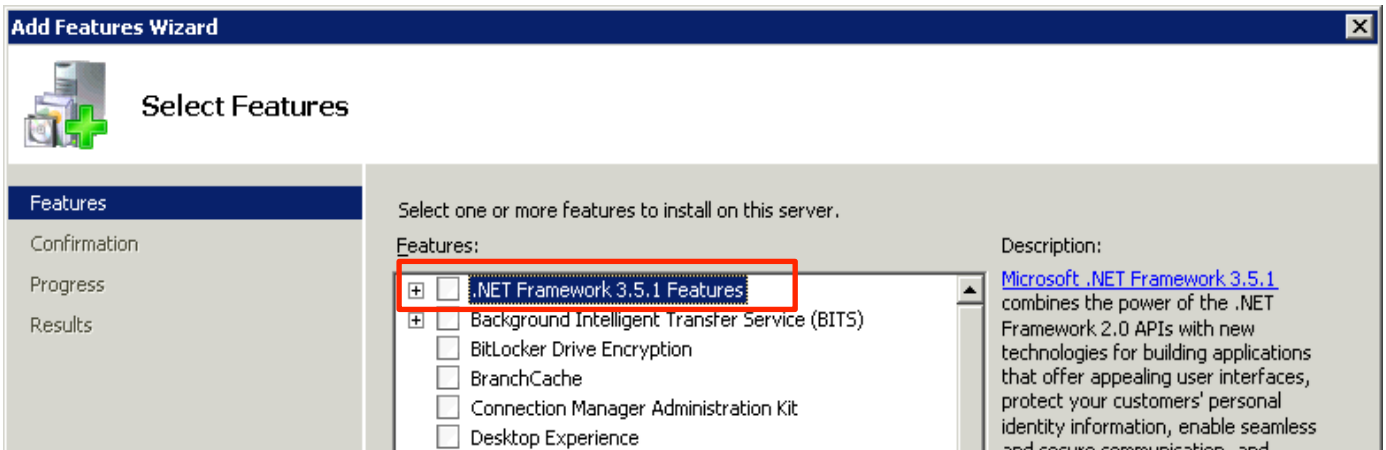
1. Open Server Manager



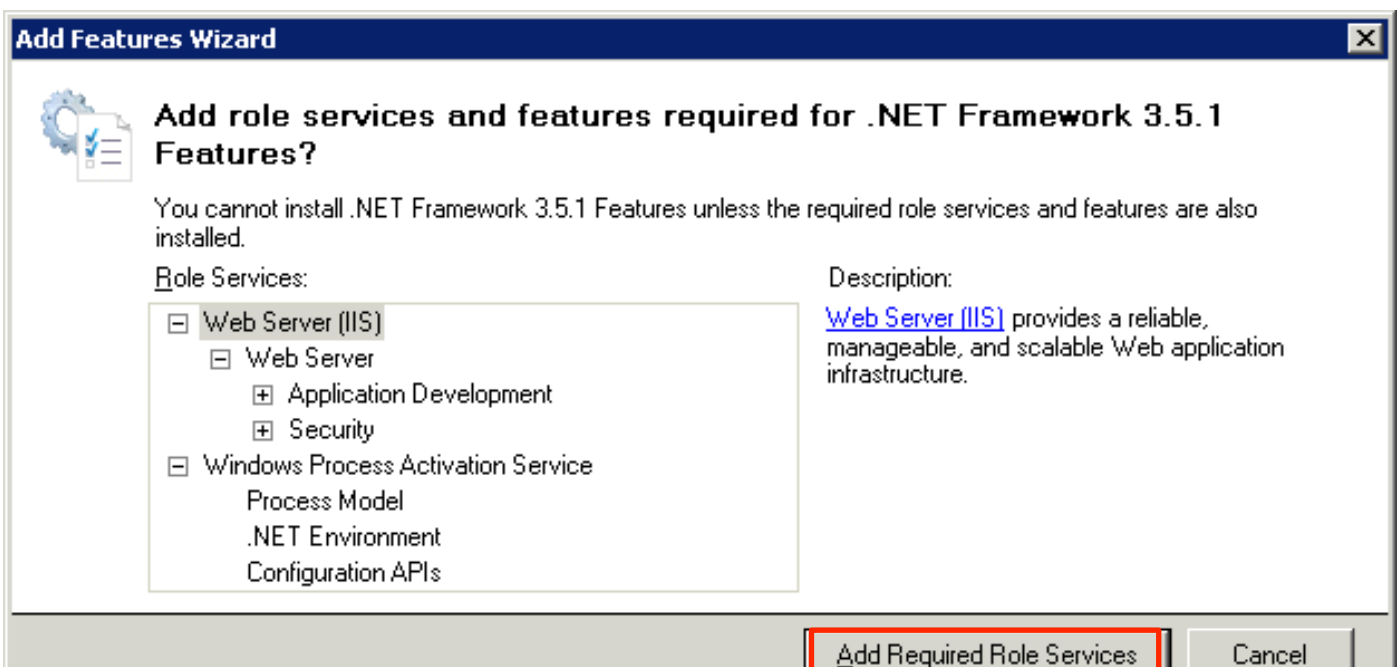
2. Select Features, and click Add Features



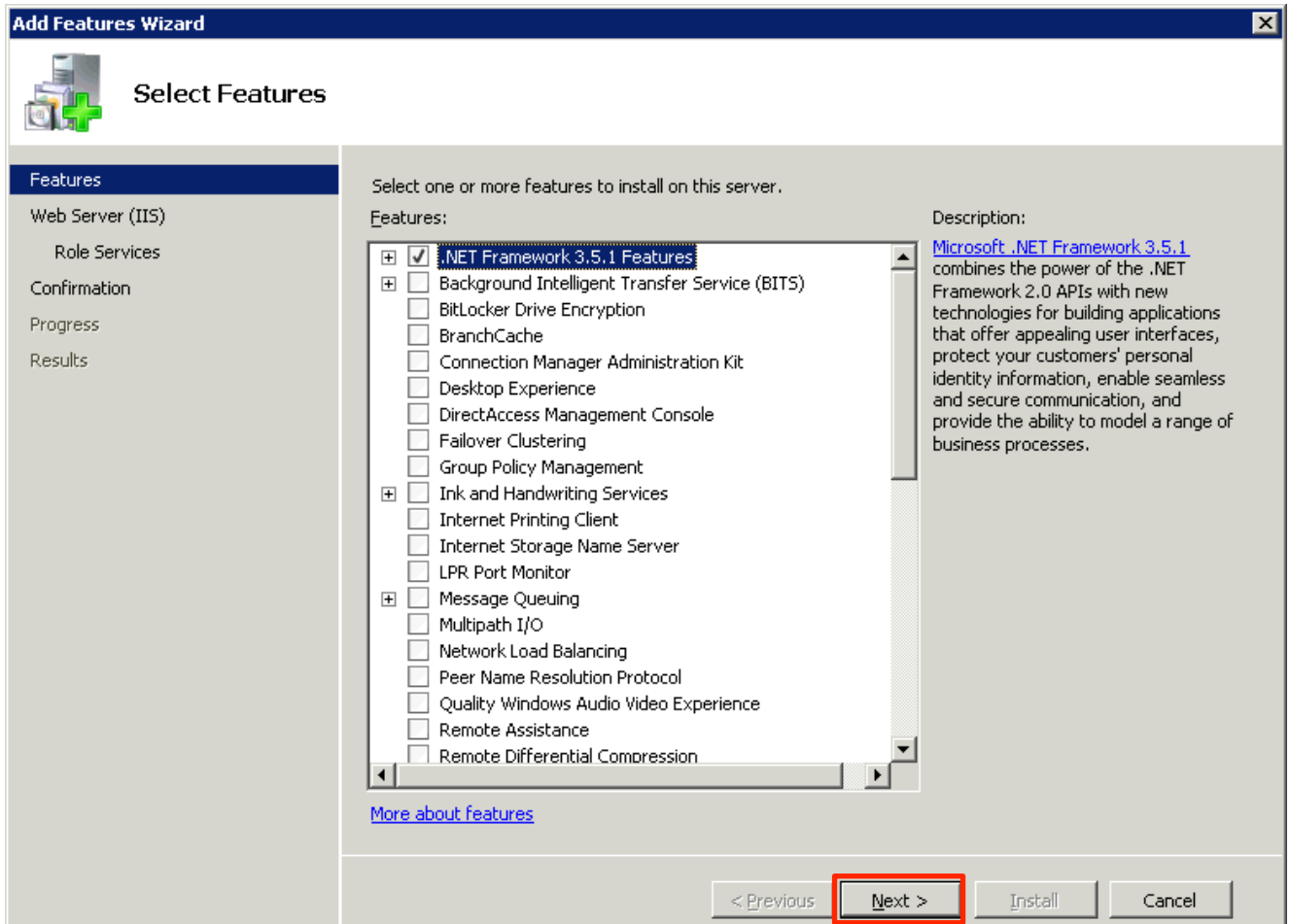
## 3. Check .NET Framework 3.5.1 Features



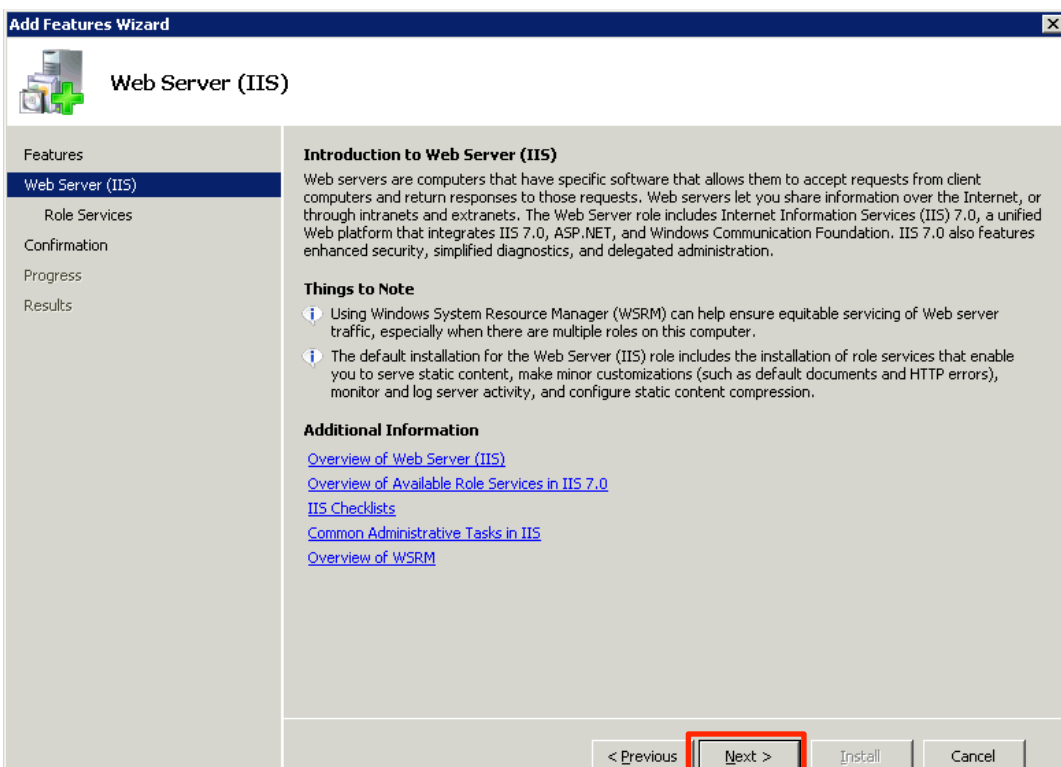
## 4. When the Add Features Wizard pops up, click Add Required Role Services.



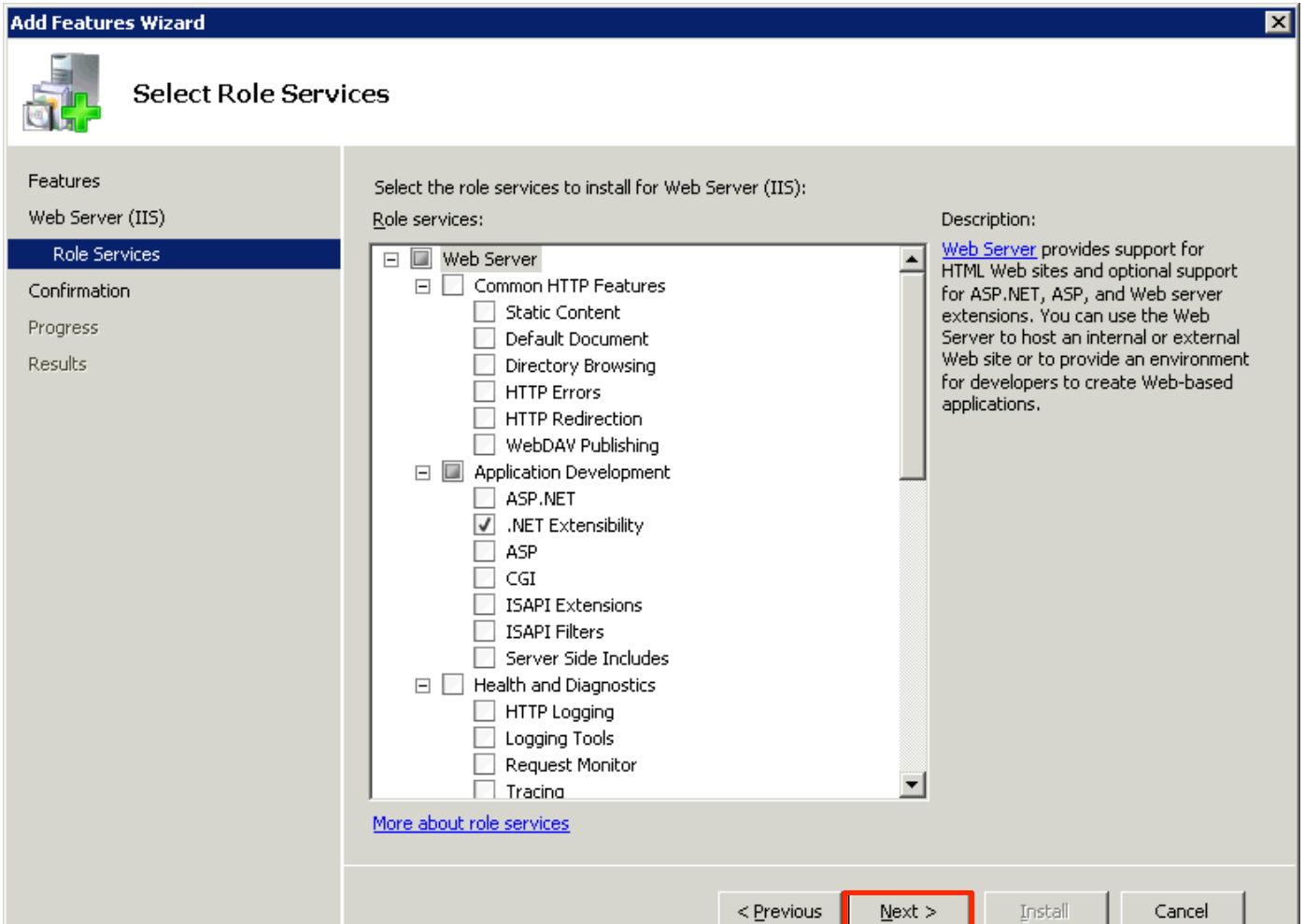
- Click Next on the Select Features window.



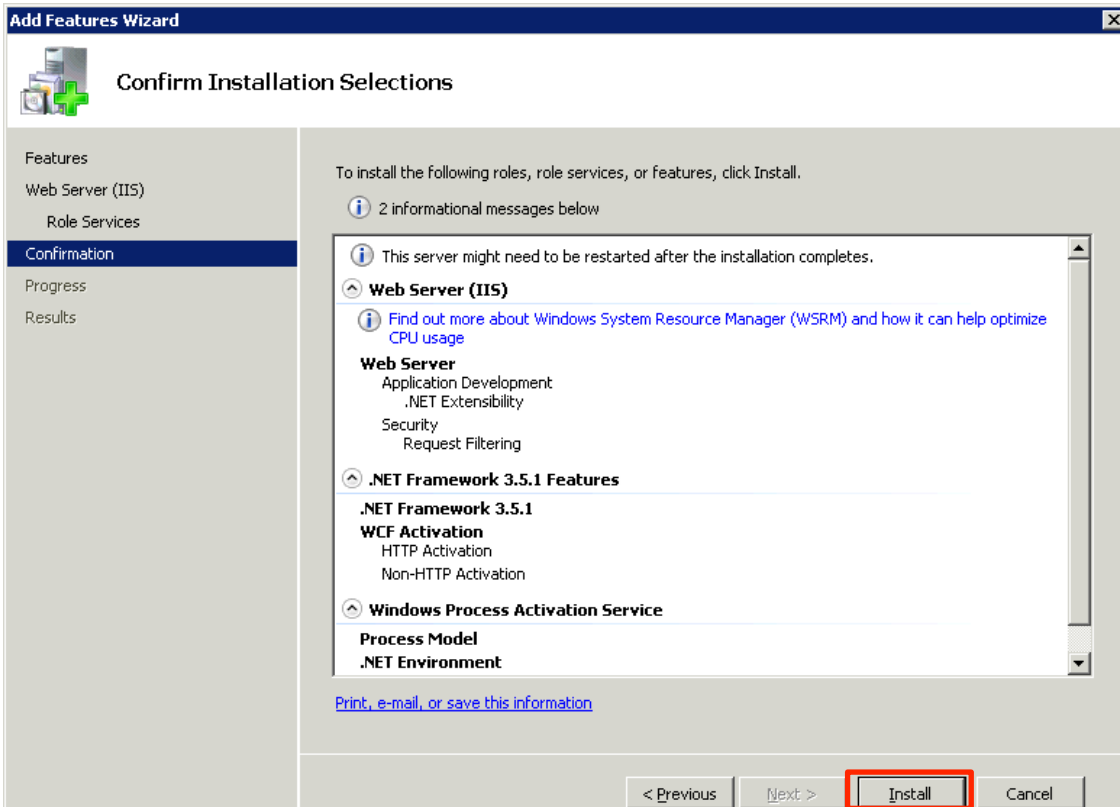
- Click Next on Web Server (IIS) window.



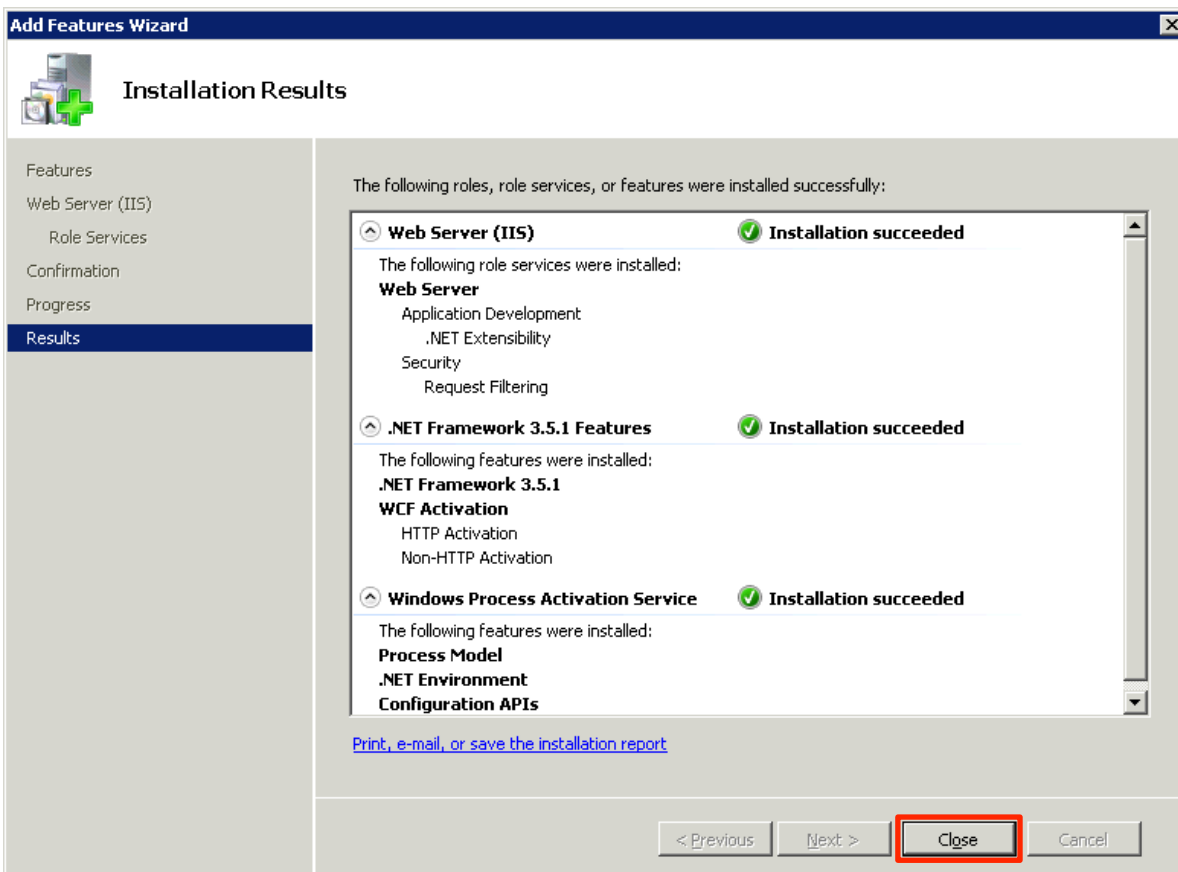
7. Leave the default selection on the Select Role Services window and click Next.



- Click Install to confirm installation selections.



- Wait for the installation to complete. This could take up to a couple of minutes, and click Close once the installation is completed.



## DOWNLOAD PREREQUISITE FILES

Download the following prerequisite files to C:\Nexus\deploymentfiles.

*Note: Due to the default strict security requirements of Internet Explorer in Windows Server, it is recommended to first acquire an alternative web browser such as Chrome or Firefox for this download process.*

- **MySQL Server (Highest GA Version)**
  - <http://dev.mysql.com/downloads/mysql/>
    - Windows (x86, 64-bit) MSI Installer for x64
    - Windows (x86, 32-bit) MSI Installer for x86
- **MySQL GUI Tools**
  - <http://dev.mysql.com/downloads/gui-tools/5.0.html>
- **AppSpace Installation Center**
  - Log in to your Nexus On-Demand Connect ([connect.nexusondemand.com](http://connect.nexusondemand.com)) account to download the installer



## MYSQL INSTALLATION

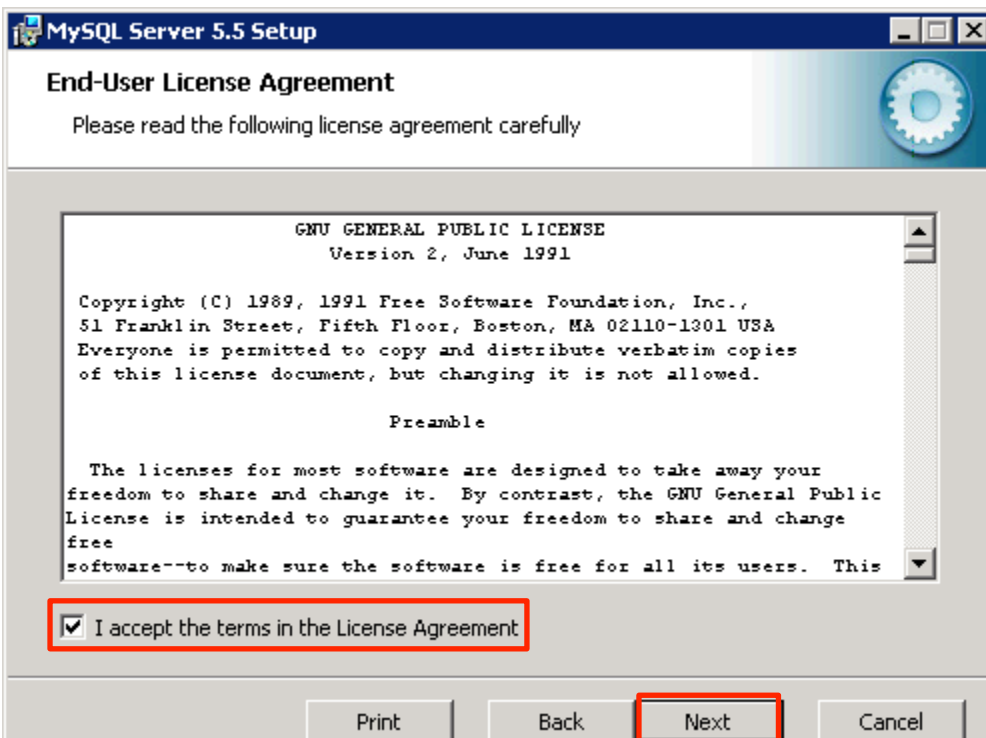
MySQL Server is required by AppSpace for operation. To install AppSpace the server requires a licensed copy of MySQL Server 5.5 installed and correctly configured.

Please follow the steps below to correctly install and configure MySQL Server.

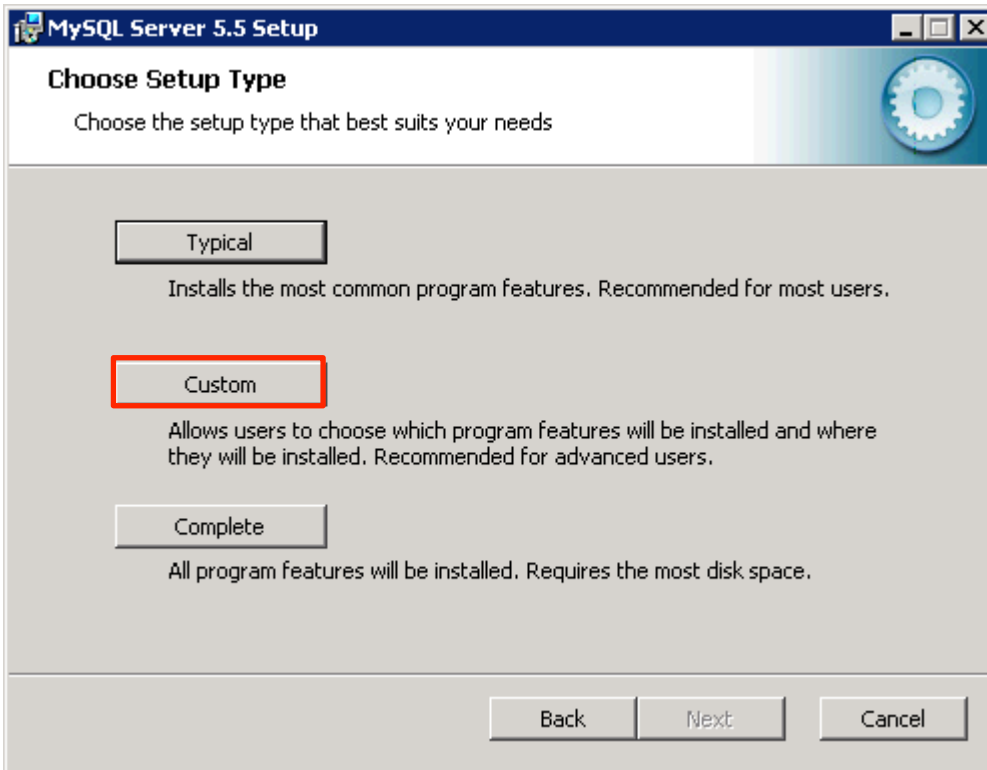
1. Click Next on the welcome page.



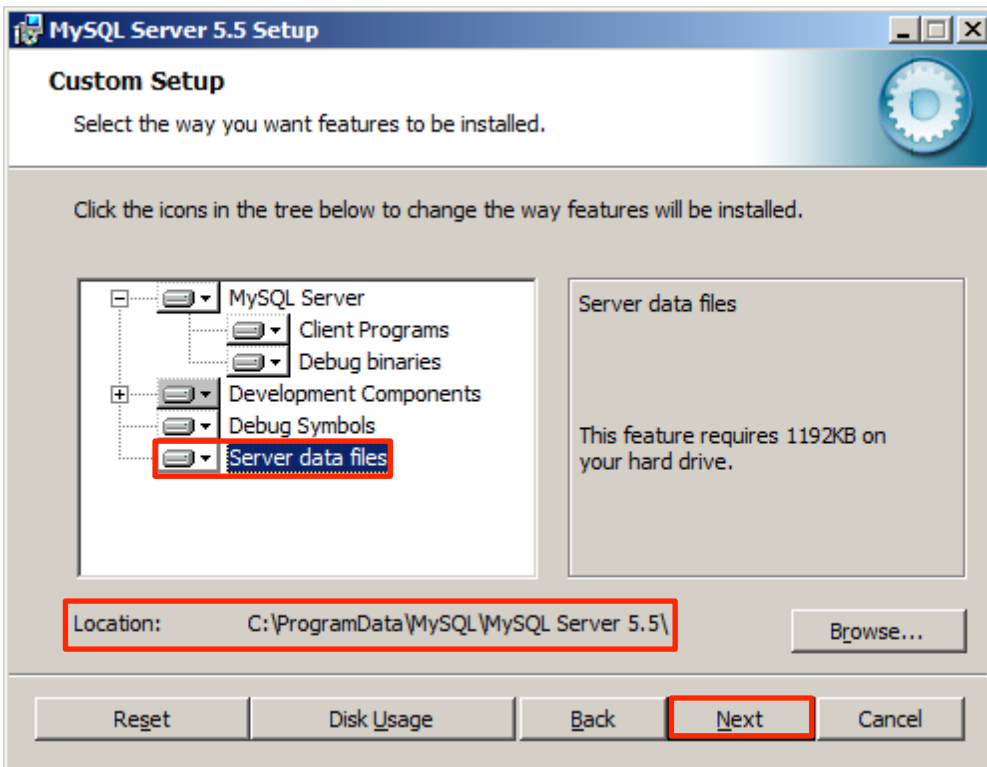
2. Accept the License Agreement and click Next



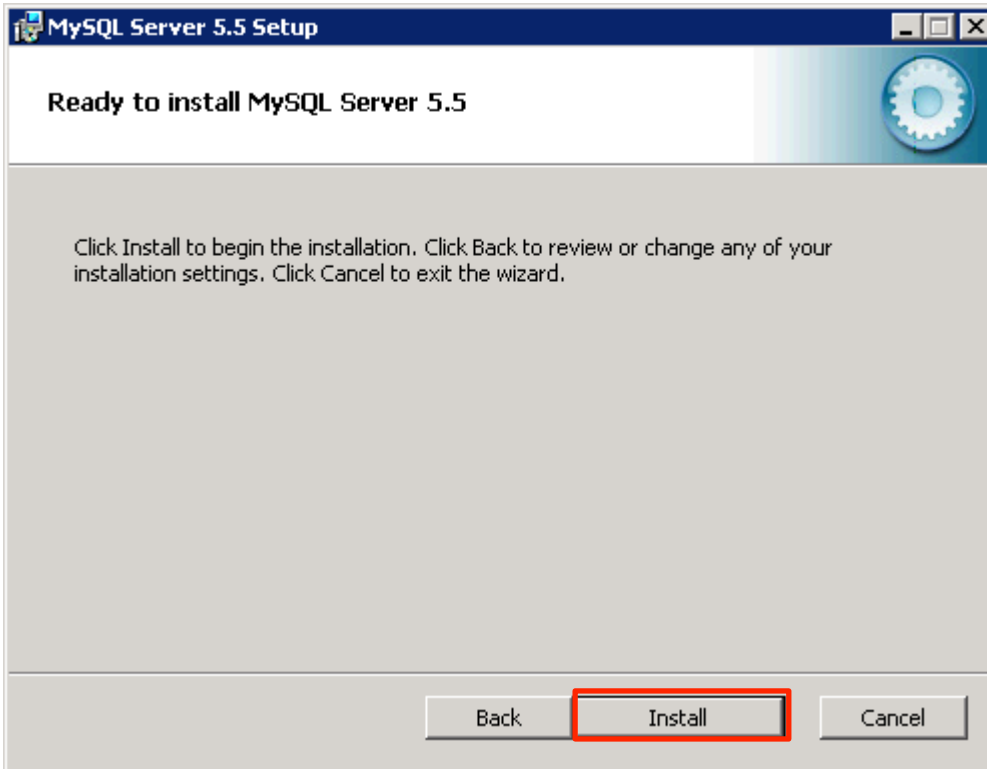
3. Click Custom.



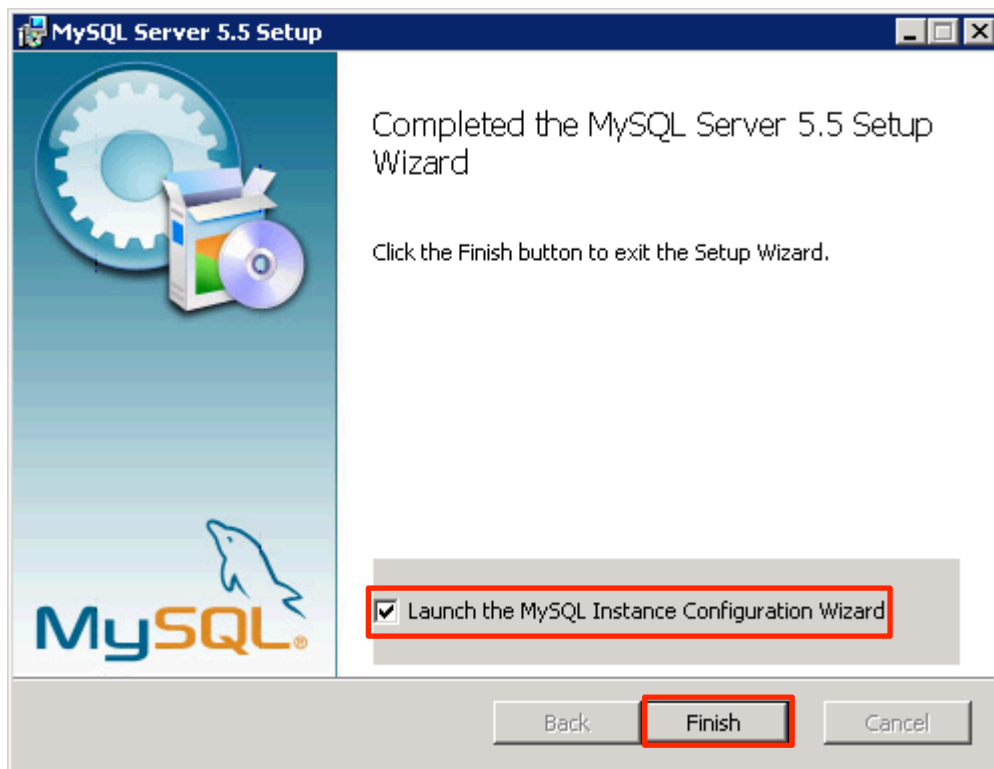
4. Ensure server data files is pointing to C:\ProgramData\MySQL\MySQL Server 5.5, click Next.



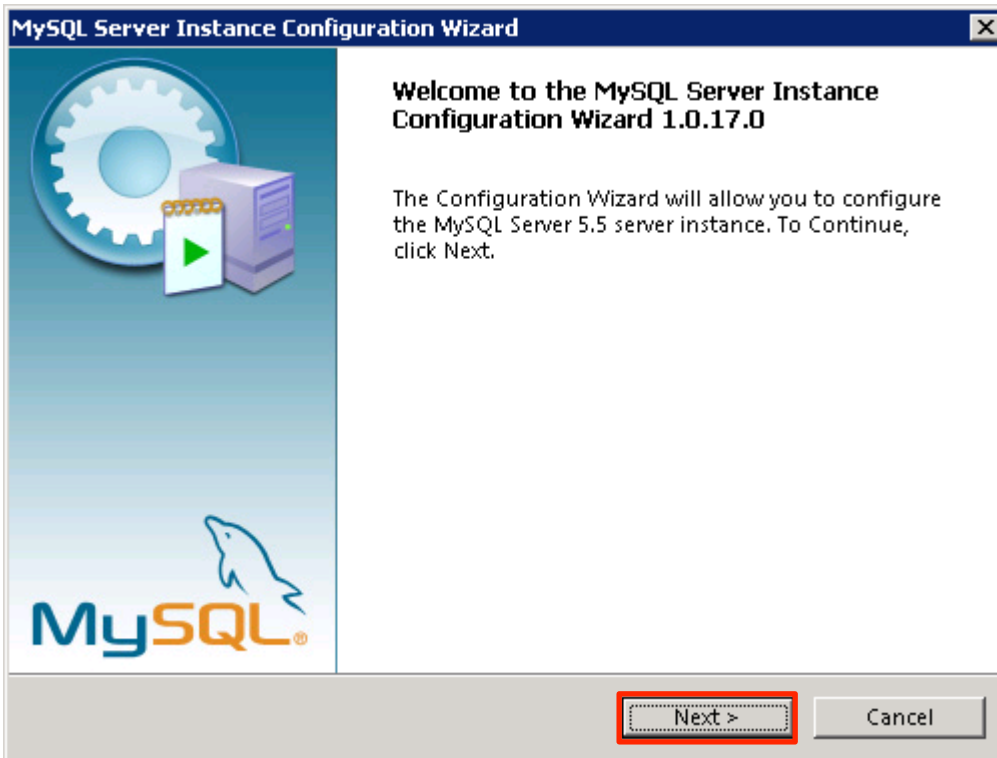
5. Click Install.



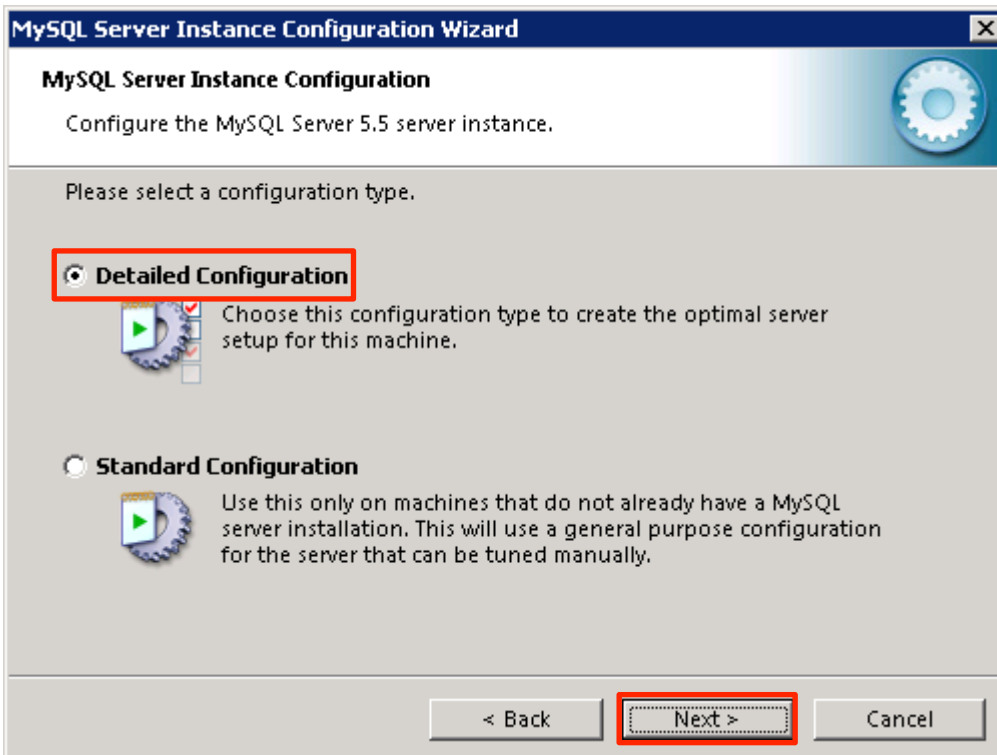
6. Ensure the Launch MySQL Instance Configuration Wizard checkbox is checked. Click Finish.



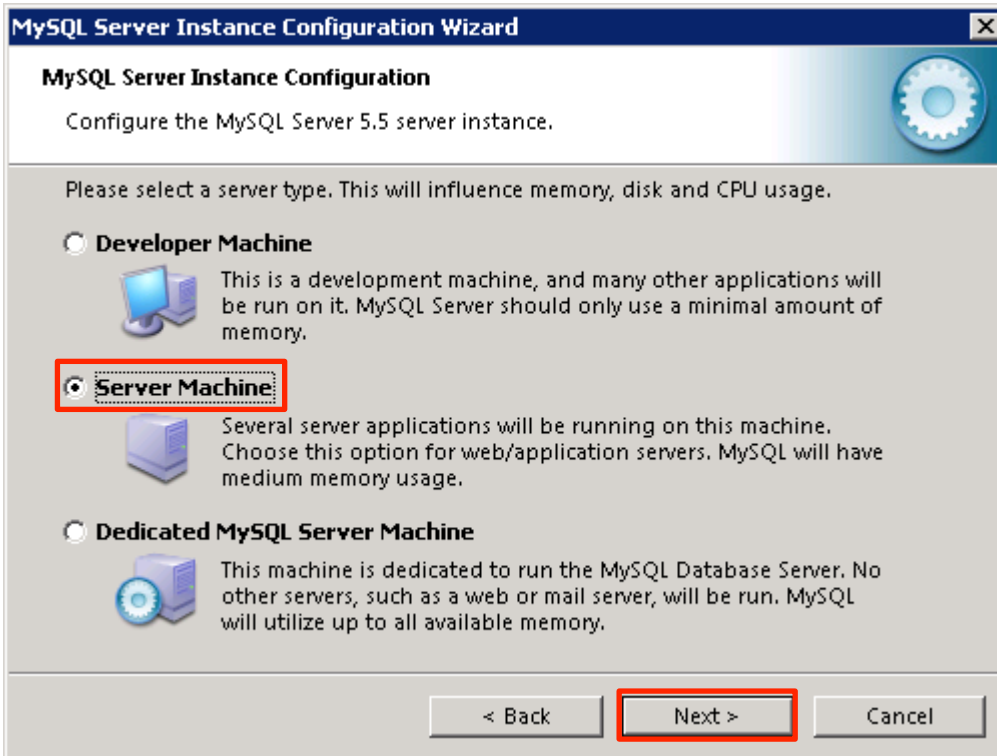
- Click Next on the MySQL Server Instance Configuration Wizard.



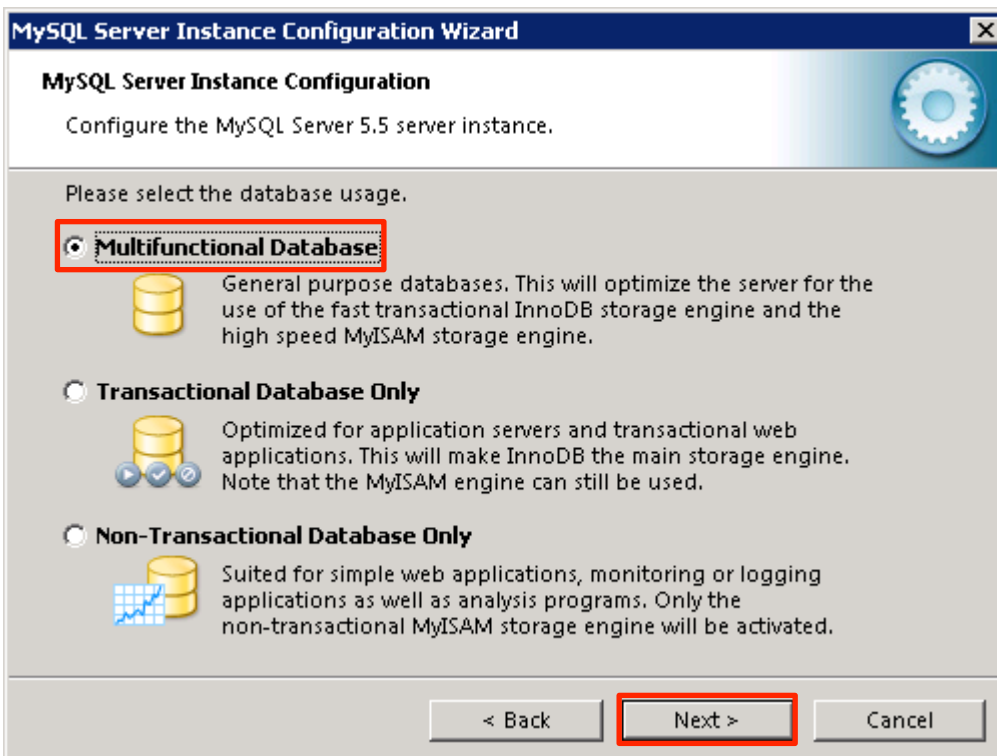
- Select Detailed Configuration and click Next.



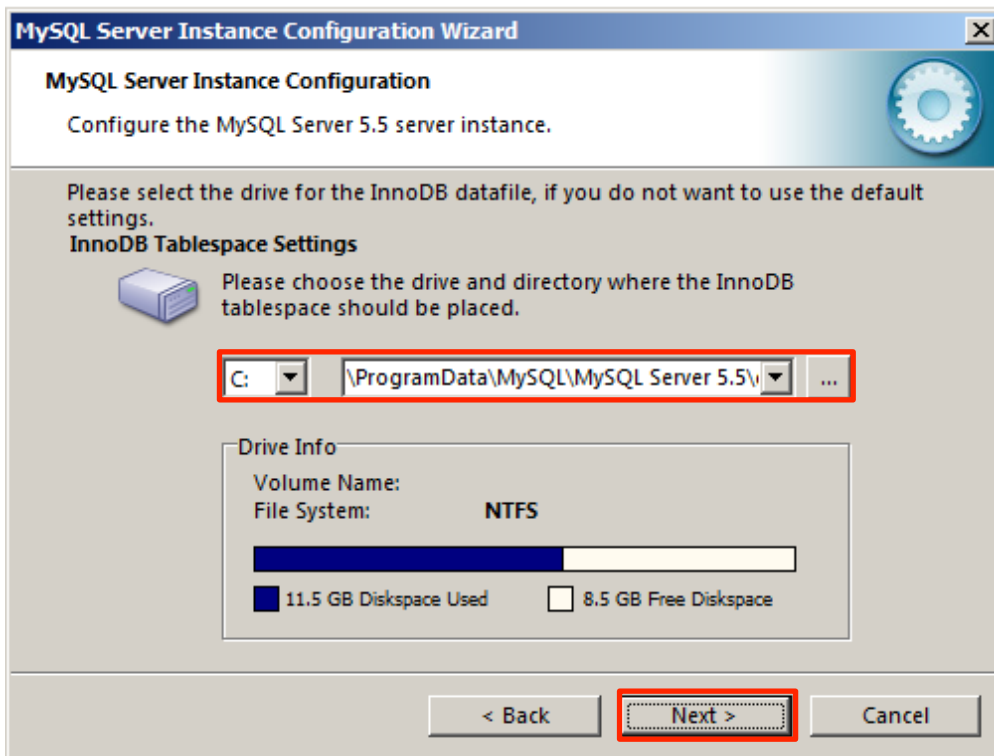
## 9. Select Server Machine and click Next



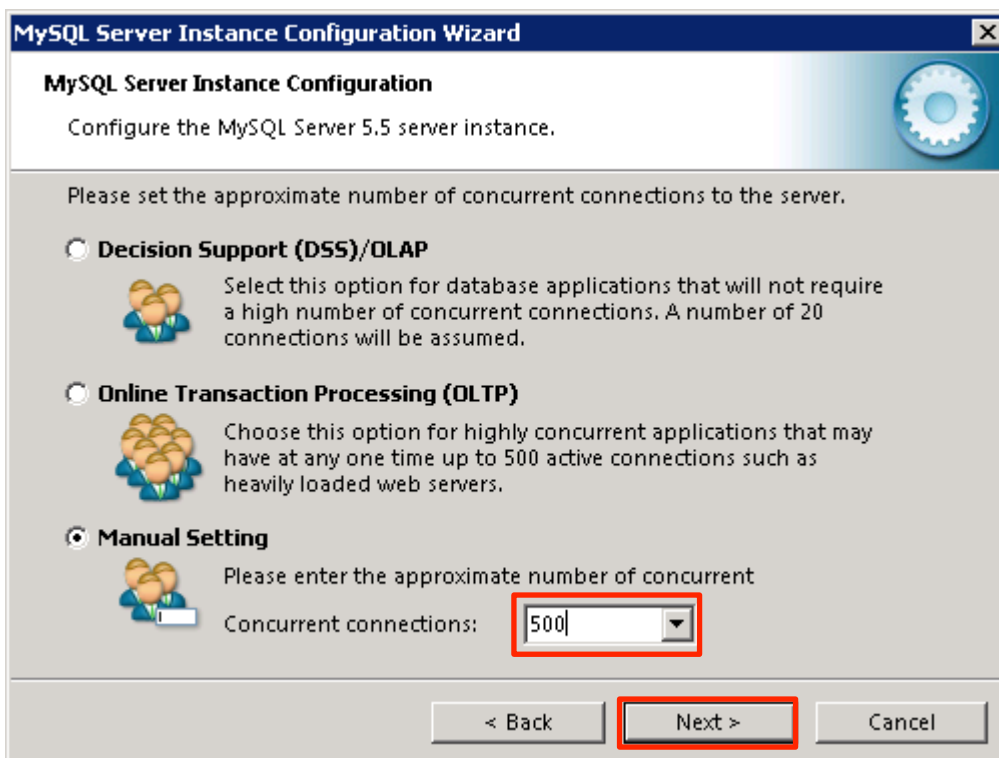
## 10. Select Multifunctional Database and click Next.



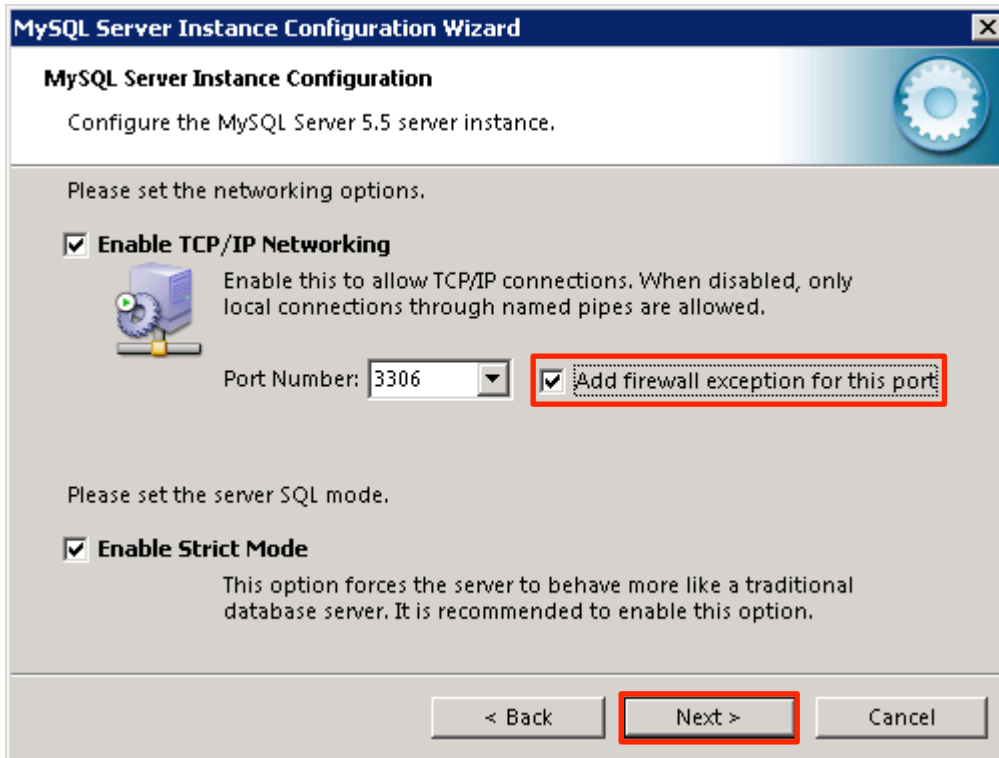
11. Ensure tablespace is pointing to C:\ProgramData\MySQL\MySQL Server 5.5\data, click Next.



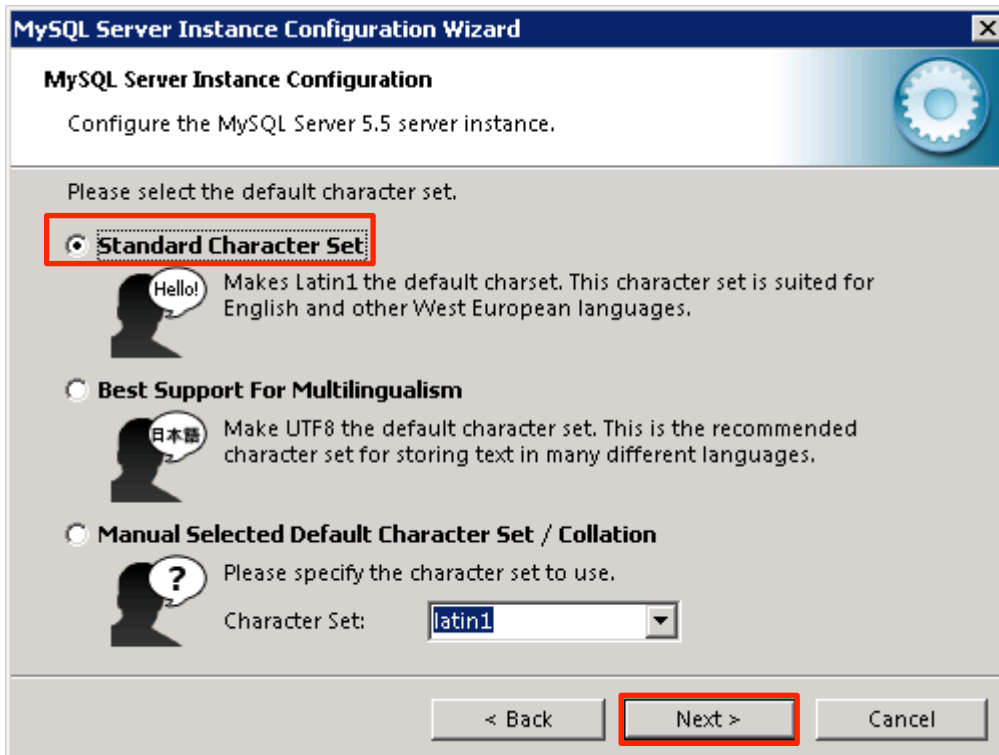
12. Select Manual Settings. Set the Concurrent connections to be 500 and click Next.



13. Ensure firewall is checked. Click Next.



14. Select Standard Character Set and click Next.

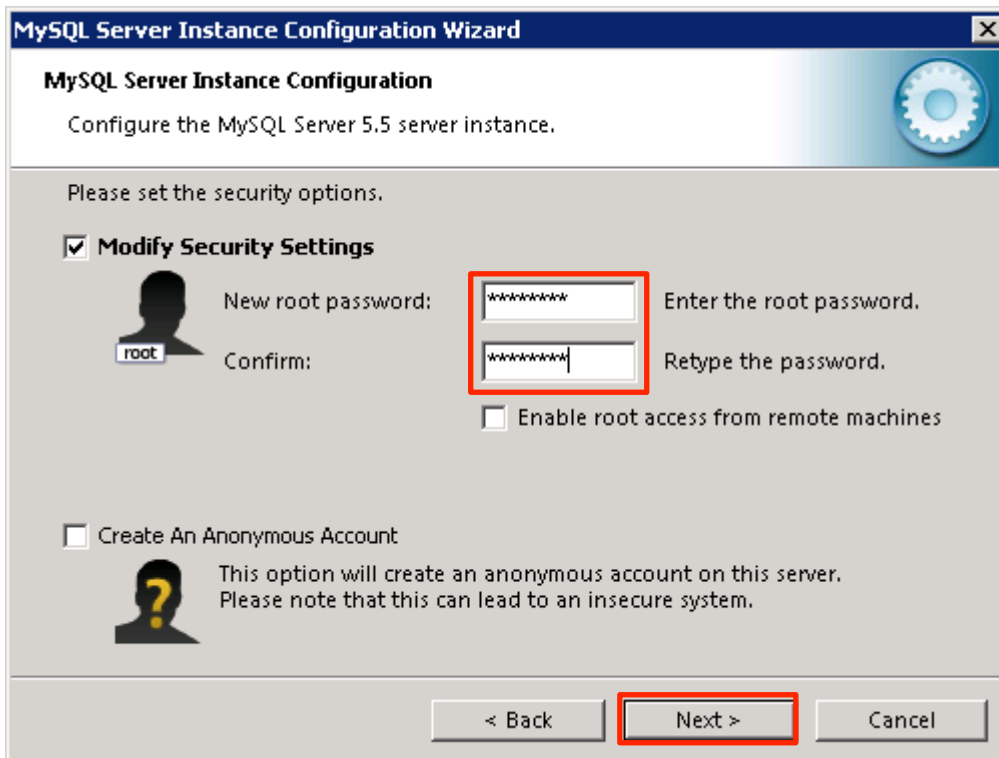


15. Ensure all checkboxes are checked and click Next.



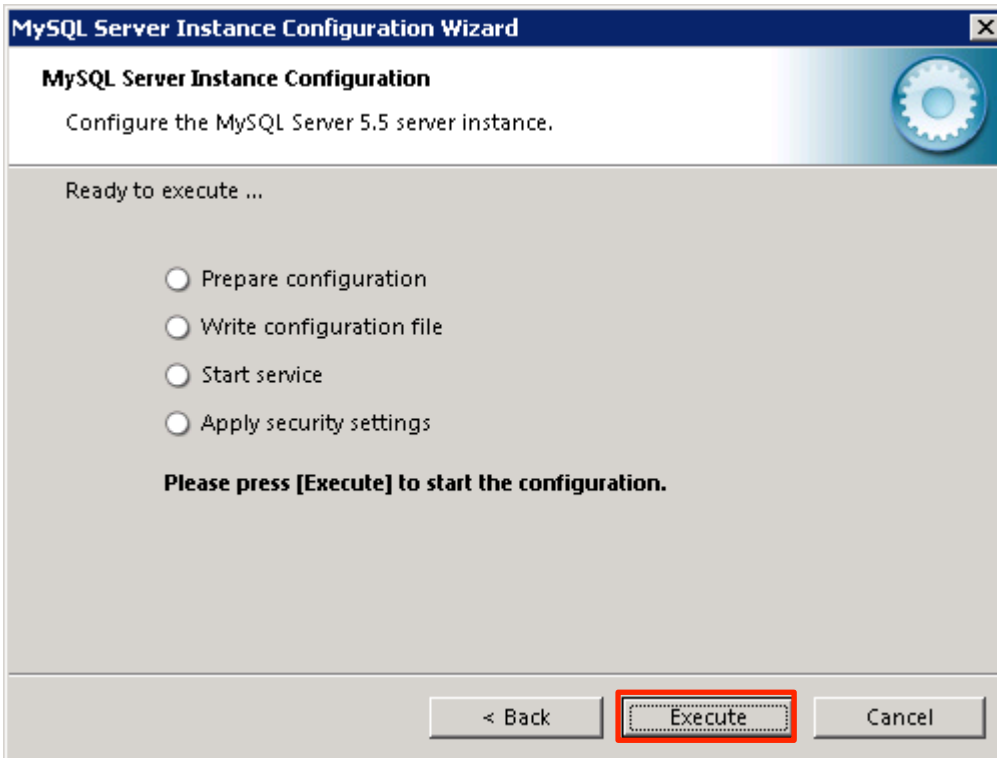
16. Set password to g56\*k9lp (Note: that is a lower case L between 9 and p). Click Next.

*NOTE: Do not change the password, as it is required by the installer to install properly for the first time.*

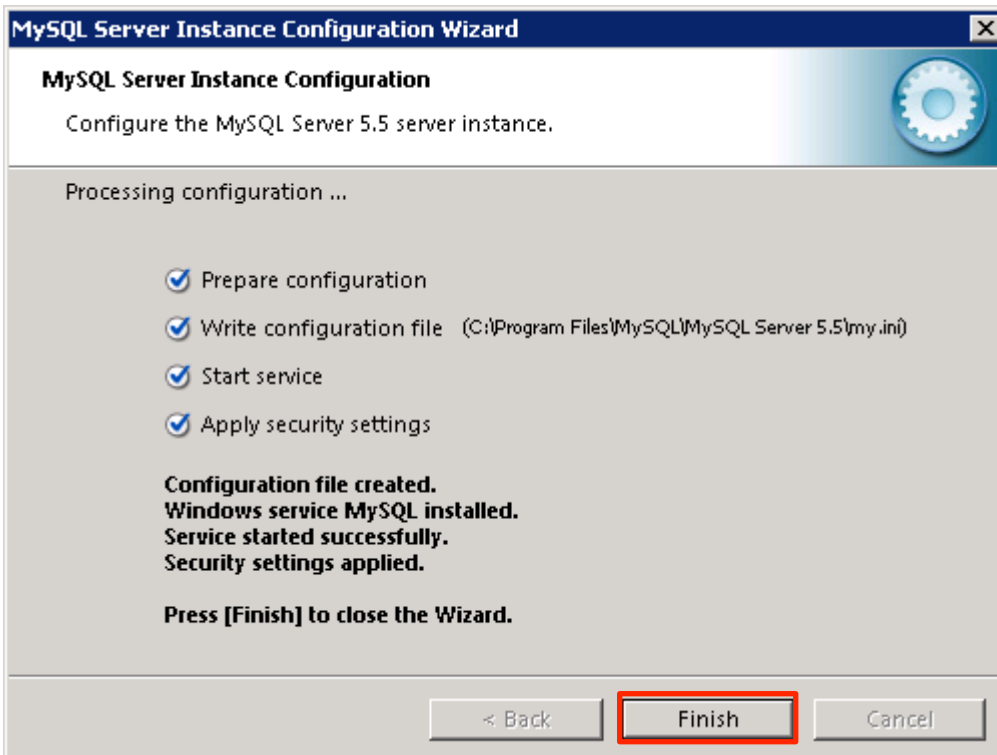




17. Click Execute.



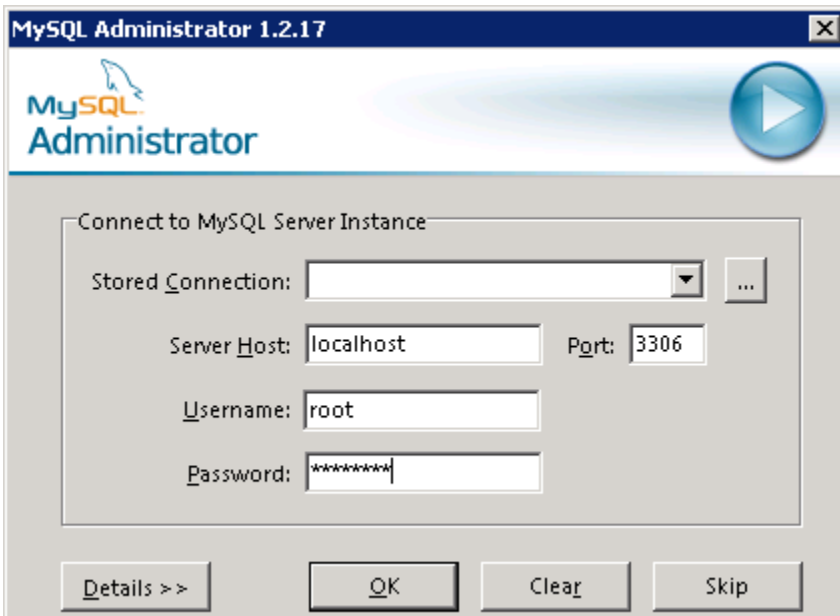
18. Click Finish.



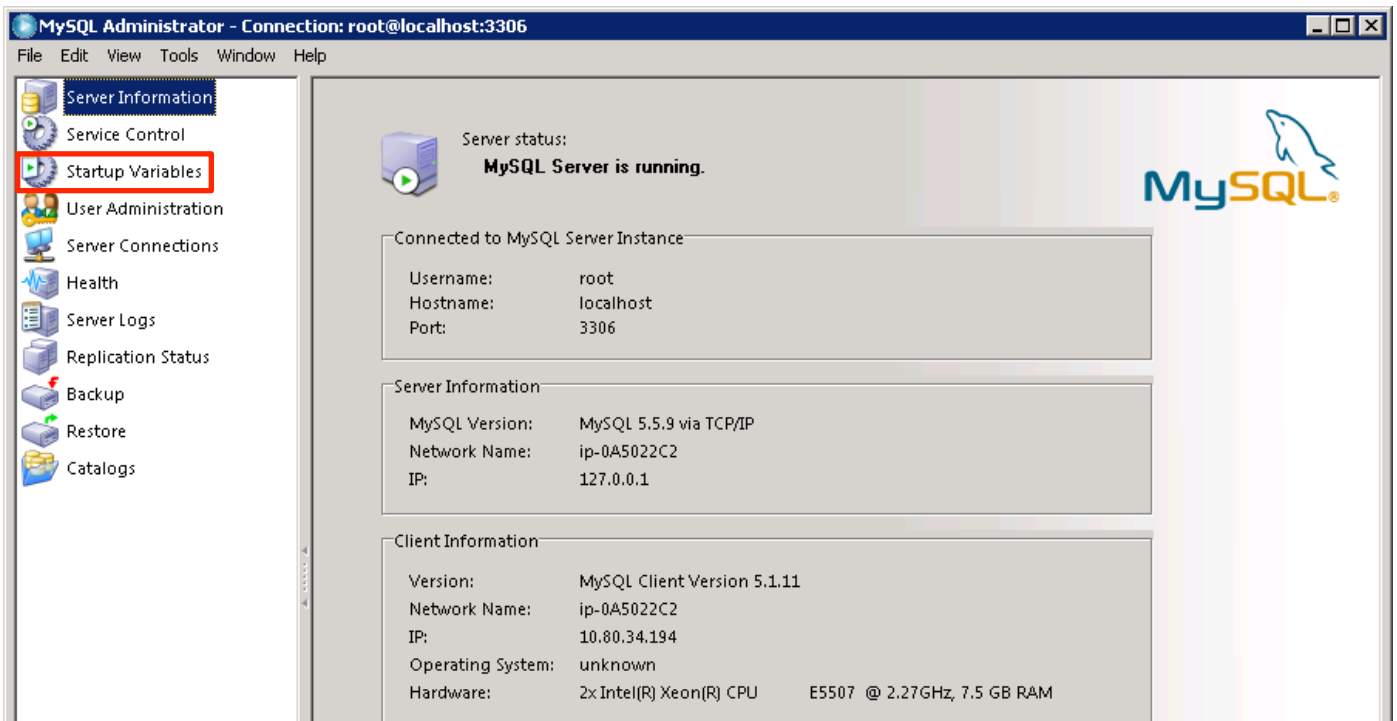
19. **Install MySQL GUI Tools** (use default settings).

## MYSQL SETUP

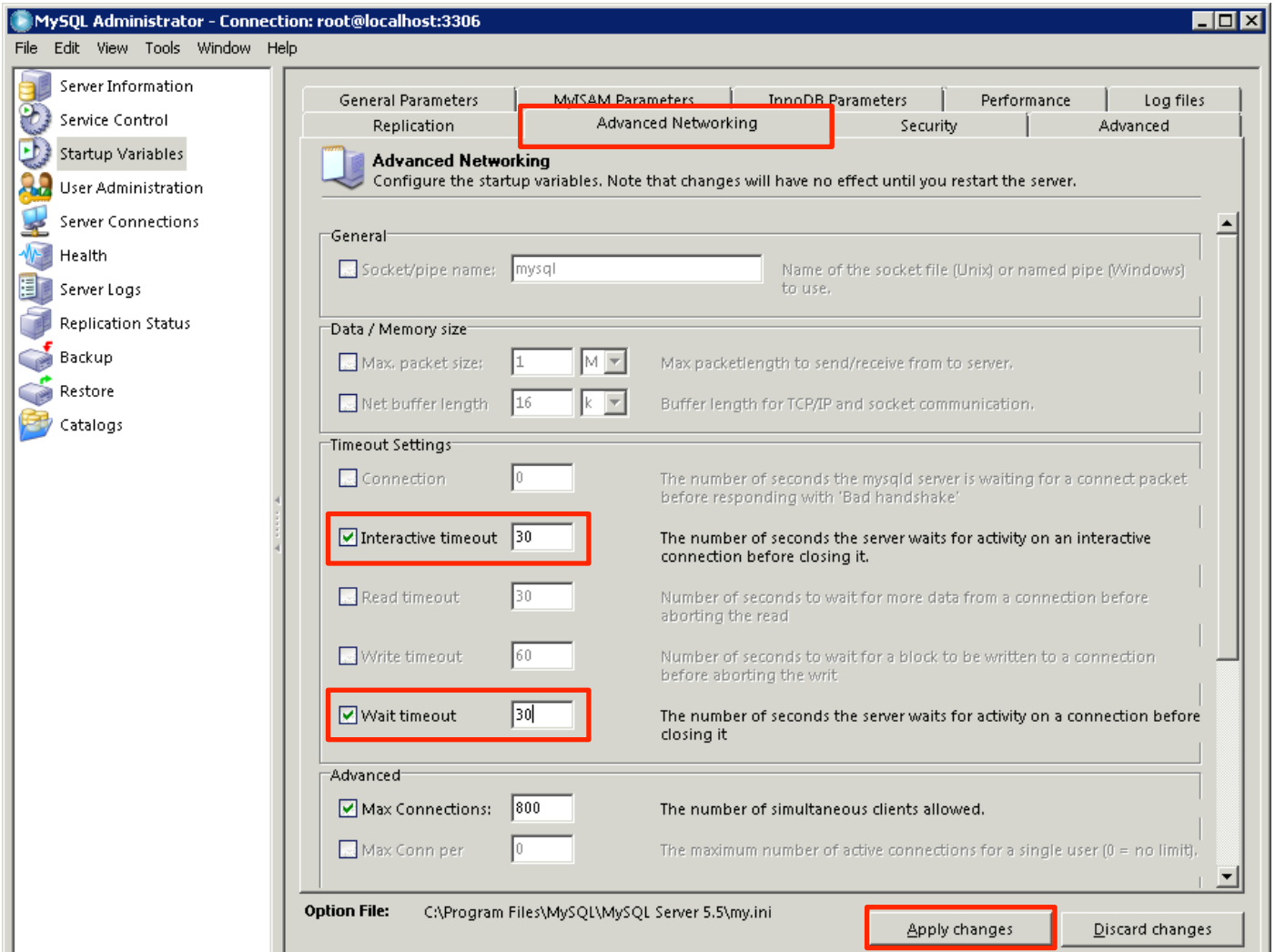
1. Open MySQL Administrator as an Administrator
  - Go to **Start Menu** → **All Programs** → **MySQL** → Right-Click **MySQL Administrator** and select **“Run as Administrator”**
2. Enter server host as **localhost**, username as **root**, and password as **g56\*k9lp** and click OK.



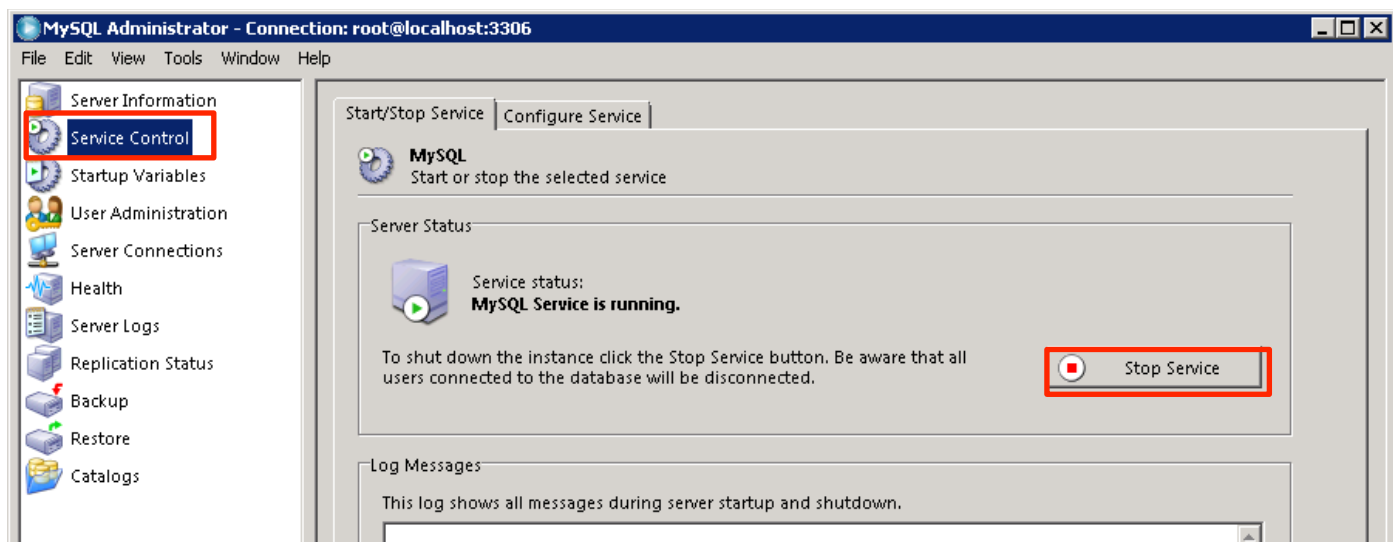
3. Click Startup Variables.



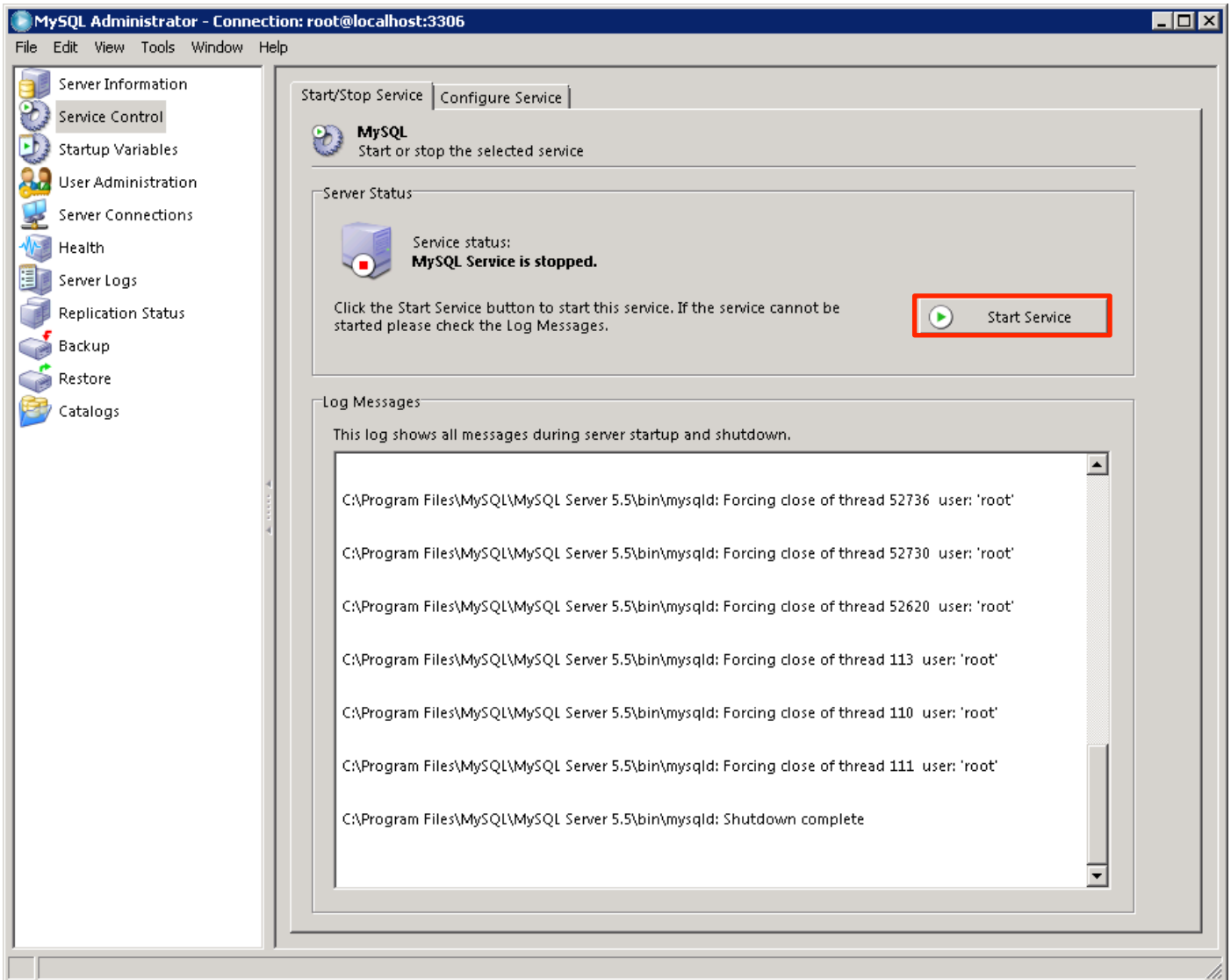
- Select the Advanced Networking tab. Make sure Wait timeout and Interactive timeout are checked and value is 30. Click Apply changes.



- Select Service Control. Click Stop Service.



## 6. Click Start Service.



## 7. Go into the Windows Registry (regedit.exe)

- Go to Computer\HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\
- Create a new DWORD Value with the Key named **TcpTimedWaitDelay**
  - Set the value to **30** (Decimal) (select Decimal before entering the value)
- Create a new DWORD Value with the Key named **MaxUserPort**
  - Set the value to **65534** (Decimal) (select Decimal before entering the value)

## 8. Restart the server

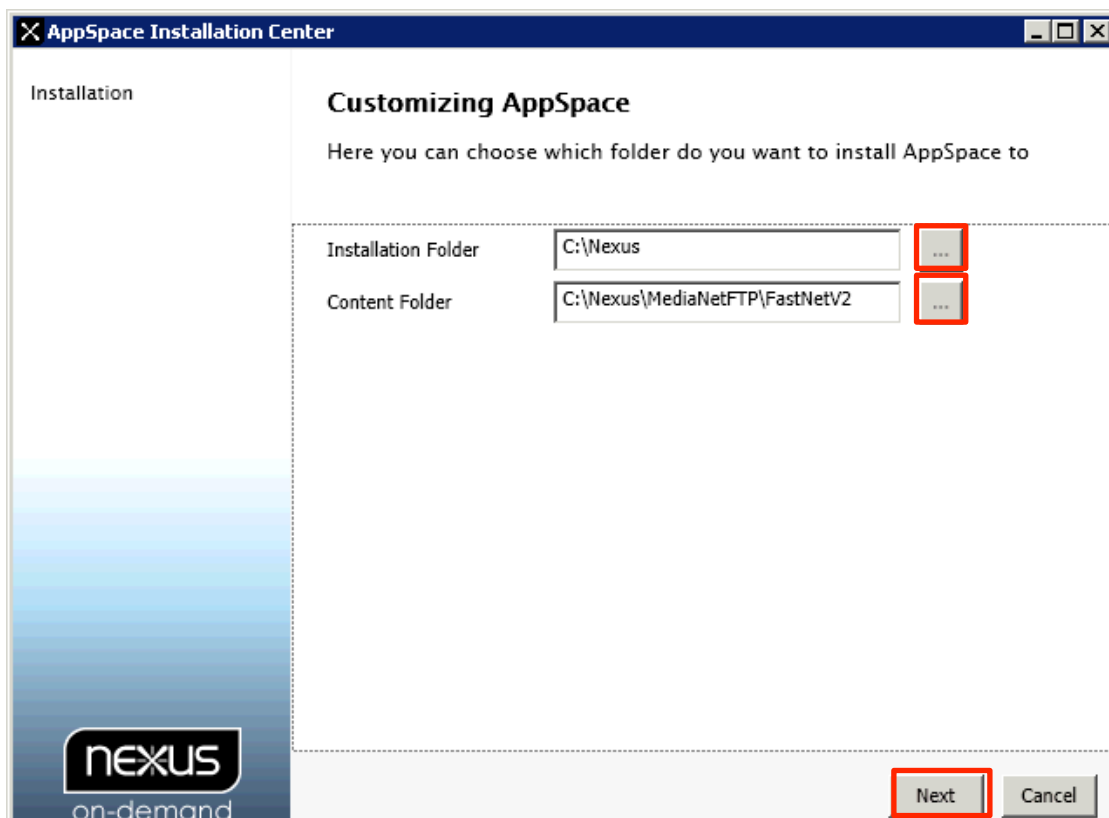
## INSTALLING APPSPACE

Once the server has been successfully configured you will need to install AppSpace using the **Application Installation Center**.

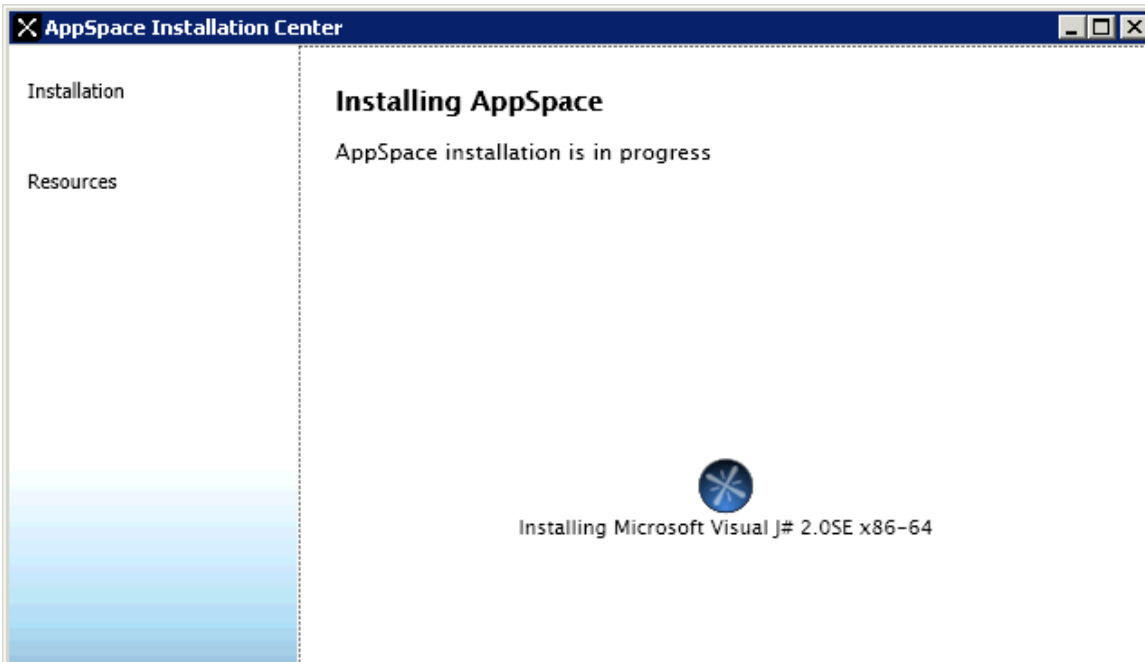
1. Start the installation from the AppSpace Installation Center package you have downloaded. Click Install.



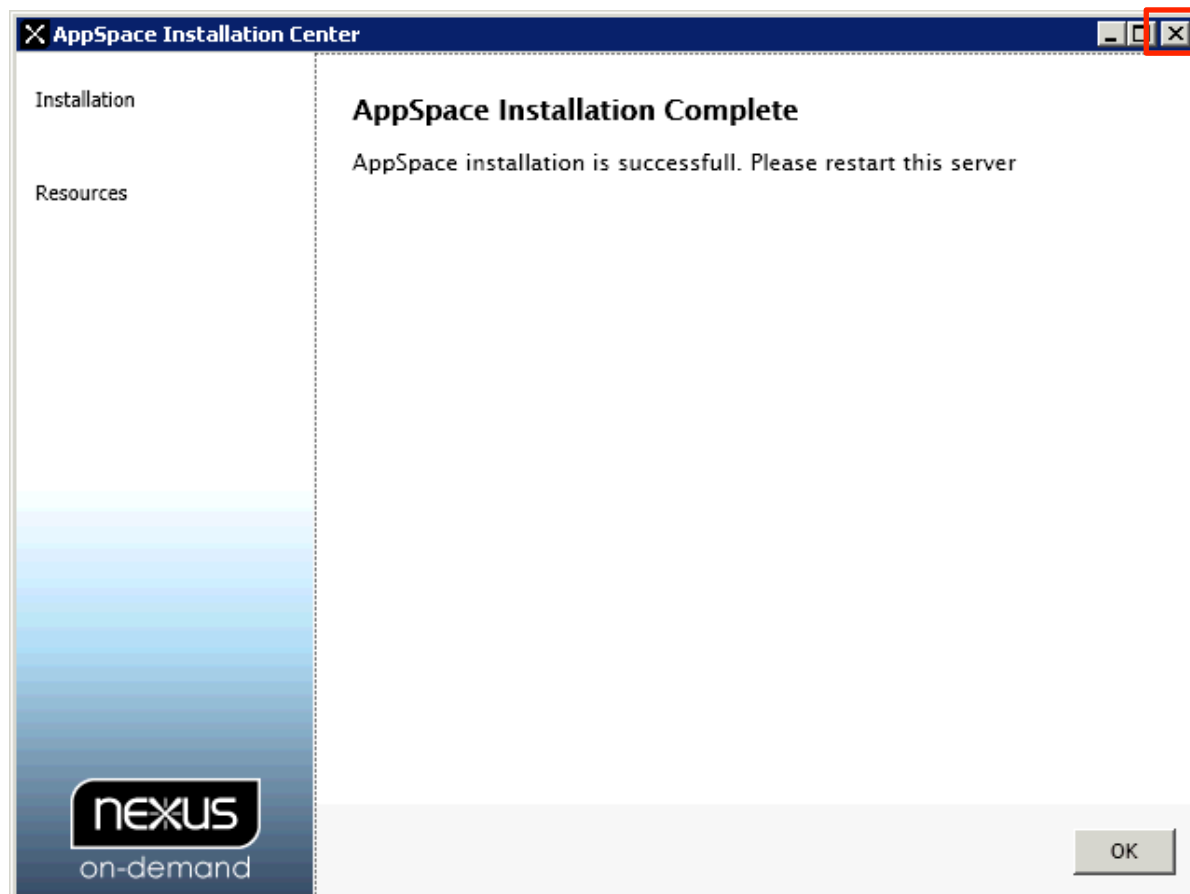
2. Select which folder you want to install AppSpace to (default is C:\Nexus). You can also select the location for the Content Folder (default is C:\Nexus\MediaNetFTP\FastNetV2). Click Next to continue.



- Please wait while AppSpace is being installed. This will usually take about 20 minutes to complete.

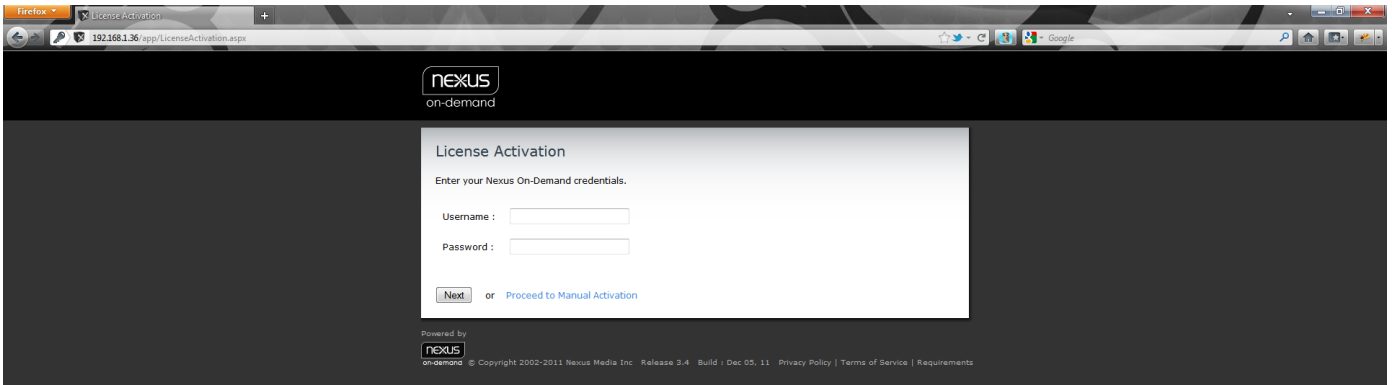


- Once the installation is complete, close the program and restart the server.

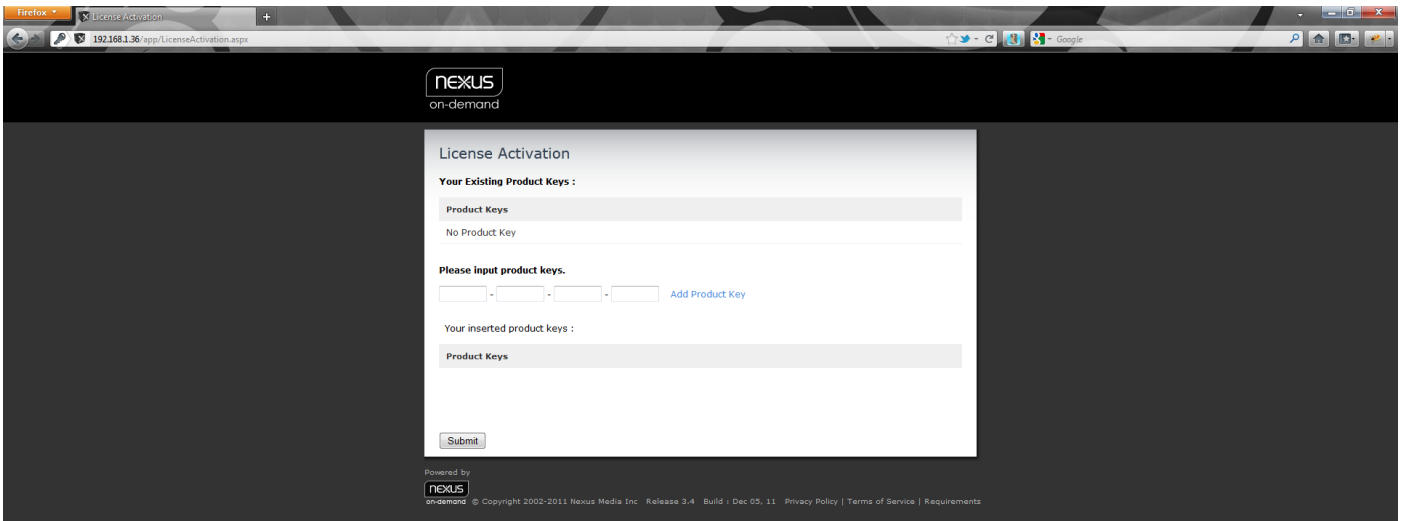


## ACTIVATING APPSPACE

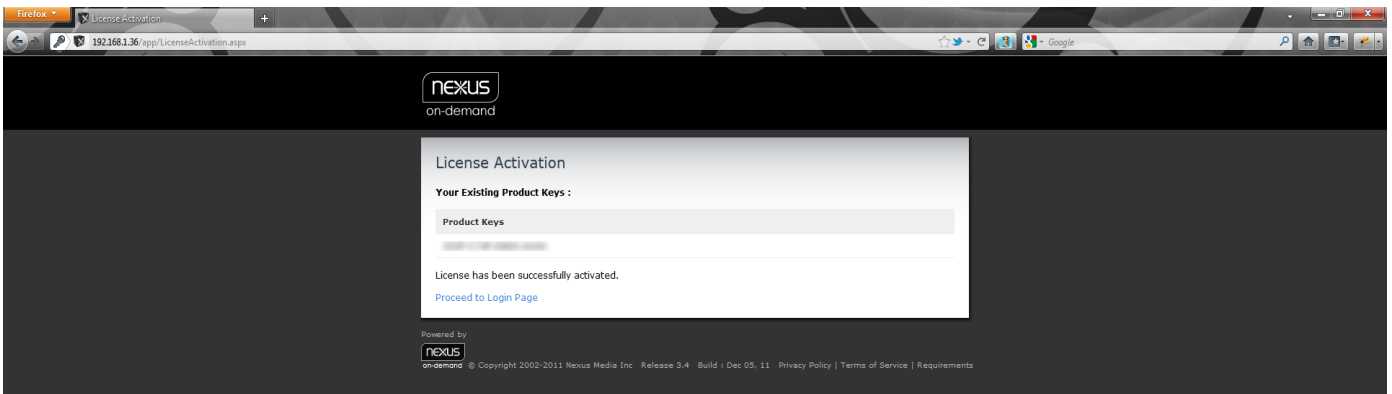
1. Access AppSpace by going to **http://[appspace.yourdomain.com]/app** where [appspace.yourdomain.com] is the Server URL that you have configured during installation. Key in your Nexus On-Demand Connect credentials and click Next.



2. Enter your product key and click Submit.



3. Click Proceed to Login Page. Key in these credentials for first time login:
  - Admin
  - password123



## CONFIGURING EMAIL NOTIFICATIONS

By default, AppSpace is not configured for email notification. To enable email notification on AppSpace, you need to login as Administrator and go to System tab -> Email sub tab and enter your SMTP server details.

AppSpace supports three types of email notifications:

- System Email
- Alert\Notification Email
- Auto-Reply Email

You can use the same email address to receive all three notifications, or you can specify three different email addresses for each type of notification.

The screenshot displays the 'Email Notification' configuration interface in AppSpace. The page is divided into several sections:

- Email Notifications:**
  - System Email:** This email address is used to send content updates from the portal (e.g. Content Approval Notification). Input: nexusedigitalsigns@gmail.com
  - Alert\Notification Email:** This email address is used to send player notification (e.g. when a player has lost communication). Input: nexusedigitalsigns@gmail.com
  - Auto-Reply Email:** This email address is used to send account specific email (e.g. when a user forgot a password). Input: nexusedigitalsigns@gmail.com
- SMTP Settings:**
  - Smtp Server:** Your SMTP Server will be used to send any alert and notification from AppSpace. Consult your System Administrator to get the settings. Input: smtp.gmail.com
  - Smtp Port:** The connection port for your SMTP Server. Consult your System Administrator to get the settings. Input: 587
  - Enable SSL:** Radio buttons for 'Yes, Enable SSL' (selected) and 'No, Disable SSL'. Below the buttons, it states: 'Enable SSL if your SMTP Server is using Disable SSL if your SMTP Server is not using SSL.'
  - SMTP Credential:**
    - Smtp Username: Input: nexusedigitalsigns@gmail.com
    - Smtp Password: Input: [masked] with a 'Change Password' link.

A 'Save' button is located at the bottom center of the form.

Restart the server once you have configured your settings



## CONFIGURING PROXY

By default, AppSpace is configured to use the default system proxy. Depending on the proxy server software that you use, you may need to configure AppSpace so that it will work with your proxy software.

If you could not activate your server online, then you may have a proxy blocking AppSpace from making outgoing connection. Ensure that the proxy allows AppSpace to make outgoing connections to the following domain names:

- <http://integration.connect.nexusondemand.com>

This url is used for activation purposes.

- <http://weather.wdfinc.com>

This url is used by the weather widget to get data from the weather provider.

- <http://free.worldweatheronline.com>

This url is used by the weather widget to get data from the weather provider.

If you are still having problems making outgoing connections from the server, you can login to AppSpace as Administrator and go to System tab -> Proxy sub tab to configure the proxy settings.

The screenshot shows the AppSpace web interface. At the top, there's a navigation bar with 'AppSpace' logo, 'DASHBOARD', 'LIBRARY', 'APPLICATION', 'PLAYER', 'ADMIN', 'REPORTS', 'SYSTEM', and 'DOWNLOADS'. The 'SYSTEM' tab is active, and the 'Proxy Settings' sub-tab is selected. The page title is 'Proxy Settings'. Below the title, there are tabs for 'Email', 'Proxy', 'Rss', 'Notification', and 'Weather'. The 'Proxy Configuration' section contains the following settings:

- Use Proxy:** Radio buttons for 'Use Proxy' (selected) and 'No, Disable Proxy'. Below it, text reads: 'Enable proxy if your AppSpace server is behind a proxy' and 'Disable proxy if your AppSpace server is not behind a proxy'.
- Proxy Server:** A text input field with a placeholder: 'This is the URL of your proxy server with port number (e.g http://192.168.1.1:8080)'. The current value is 'http://yourproxyserver.com:yourport'.
- Proxy Credential:** Radio buttons for 'Yes, Enable Proxy Credential' (selected) and 'No, Disable Proxy Credential'. Below it, text reads: 'Enable Proxy Credential Desc' and 'Disable Proxy Credential Desc'.
- Domain:** A text input field with the value 'DOMAIN'.
- Username:** A text input field with the value 'yourusername'.
- Password:** A password input field with masked characters '\*\*\*\*\*' and a 'Change Password' link.

At the bottom of the configuration area, there is a 'Save' button. The footer of the page includes the Nexus logo and copyright information: '© Copyright 2002-2012 Nexus Media Inc. Release 3.4 Build - Jan 11, 12 Privacy Policy | Terms of Service | Requirements | Help | License'.

Restart the server once you have configured your settings.

## APPSPACE CONFIGURED

You have now completed the AppSpace installation. If you have any questions or queries please contact NOD Technical Support team at [techsupport@nexusondemand.com](mailto:techsupport@nexusondemand.com). If you encounter specific server errors, please include the error type, name and number in your email. You can also go to <http://nexusondemand.com/resources-technical.html> for further information.

