

# NorthStar Live! System Monitor

## Requirements

- Web Server Requirements
  - Windows 2003 Server or above
  - Microsoft.NET 4.0 or above
  - IIS 6.0 or above
- Supporting Services Requirements
  - Available SMTP server (for e-mail alerts)
  - SQL Server database

## Installation Overview

The installation consists of the following steps:

1. Execute SQL script to generate database and populate default data.
2. Install and configure web application to IIS server.
3. Install and configure windows monitoring service.

## Installation Instructions

### Install Monitoring Web Site

Use the following steps to install the NorthStar Live! System Monitor web site.

1. Download NorthStarLiveManager.Setup-1.0.3.zip from [www.northstarenterprise.com](http://www.northstarenterprise.com).
2. Unzip the ZIP file.
3. Open the NorthStarLiveManager-Setup.sql in the destination SQL server and execute the script. The query should execute successfully. This script creates a database named **NorthStarLiveManager**, with associated views, stored procedures, and default data.
4. On the Web Server, execute and complete the **SystemMonitor.Web.Setup.msi** installation package. These instructions assume that the default values are used in the dialogs.
5. In Notepad, open **c:\inetpub\wwwroot\NorthStarLiveManager\web.config**  
**Note:** depending on your configuration, you may not see the .config extension. The file has the following icon:



6. Update the *NorthStarLiveManagerConnectionString* to point to your destination SQL server.

If you are using SQL authentication set

**Integrated Security=False**

Also, add the following text to the end of the value:

**user=USERNAME;password=PASSWORD**

Where USERNAME and PASSWORD are the SQL authentication credentials.

7. Make sure to save your changes.
8. Test the website for database connectivity by navigating to <http://SERVERNAME/NorthStarLiveManager/> where SERVERNAME is the name of your web server.
9. Click the Admin User List link. This link communicates to the database. If this link fails, then check your connection string settings in the web.config file.

### Install Monitoring Web Service

Use the following steps to install the NorthStar Live! System Monitor windows service. These instructions assume that you have downloaded and unzipped the appropriate setup package.

1. On the Web Server, execute and complete the **SystemMonitor.BackgroundService.Setup.msi** installation package. These instructions assume that the default values are used in the dialogs.
2. In Notepad, open **c:\Program Files\NorthStar\NorthStarLiveManager.BackgroundService\Scoreboard.SystemMonitor.BackgroundService.exe.config**

**Note:** depending on your configuration, you may not see the .config extension. The file has the following icon:



3. Modify the contents of the following **<value>** nodes to fit your requirements:
  - **EnableEmailAlert**  
Enables (True) or disables (False) the sending of e-mail alerts when an client falls out of Normal status.
  - **SmtpServer**  
Defines the SMTP server that the application uses to send e-mail alerts.
  - **EmailFrom**  
Defines the e-mail FROM address used to send e-mail alerts.
  - **EmailFromDisplay**  
Defines the “friendly” name displayed in the FROM address used in e-mail alerts.
  - **EmailAlertSubject**  
Defines the subject text to be used in e-mail alerts.
  - **MinutesIntervalBetweenLoop**  
Defines the amount of time in minutes that the service sweeps the database for connectivity issues.
  - **SmtpServerUser**  
If required, the username required for SMTP service

- **SmtpServerPassword**  
If required, the password required for SMTP service
  - **SmtpAuthenticationRequired**  
Boolean if the SMTP username and password are required for SMTP service
4. Make sure to save your changes.

## Using NorthStar Live! System Manager

The following instructions demonstrate system usage using the Computer Simulator application.

1. Execute and complete the **SystemMonitor.ComputerSimulator.Setup.msi** installation package. This can be done on any computer that has connectivity to the NorthStar Live! System Manager. These instructions assume that the default values are used in the dialogs. The setup application places a shortcut on your desktop.
2. Open the NorthStar Live! System Monitor web site (<http://SERVERNAME/NorthStarLiveManager/>).
3. Click the **Admin User List** link.
4. Click the **Add Admin User Information** link.
5. Complete the form and click the **Insert** link. The user appears in the **Admin User List** page.
6. Click the **Admin Address Mapping List** link.
7. Click the **Add Mapping** link. The username appears in the User Name list, but there **Server/Host Address** list is blank. Machines to monitor only appear in the list if they have logged into the server.
8. Minimize the web browser.
9. Double-click the **Shortcut to ComputerSimulator** link on the desktop. The **Scoreboard Server Simulator** window opens.
10. Type in the IP address to web server in the **System Monitor Address** textbox.
11. Type the name of the LOCAL MACHINE into the **Server Name** textbox. This is the name that will display in the e-mails and on the System Manager.
12. Type the IP address of the LOCAL MACHINE into the **Computer Address** textbox.
13. Leave the **Timestamp** textbox.
14. Click the **Send Alive Status** button. A **Status was sent** message box appears. Click **OK**.
15. Restore the web browser.
16. Click the **Admin Address Mapping List** link.
17. Click the **Add Mapping** link. The username appears in the User Name list and the machine you just added displays in the Server/Host Address list.
18. Complete the form, then click the **Insert** link.
19. Click the **Network Status** link. The page displays a status of **Normal** for the machine. The display refreshes every 30 seconds.
20. After 5 minutes, the display will change to **Alarm**. After 10 minutes the display will change to **Critical**.