Nitro Pro

Deployment Guide

In This Guide

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For enterprise environments where applications are deployed business-wide, the Nitro MSI deployment package is already customized to better suit a large user-base, and some front-end options have been disabled for features that typically do not conform with internal security policies or user rights. Examples of disabled settings are:

- Learning Center (splash screen) does not display at start up
- Buttons to directly contact Nitro support have been removed from the Help ribbon
- Automatically Check for Updates is turned off.
- Nitro Cloud integration is disabled.
- Silent Installation (with no user interaction) is supported

Customize Your Installation

The Nitro Deployment Wizard is a visual configuration utility that makes it easy to create an MST file that applies your custom configurations to your Nitro Pro deployment.

To Customize An Installation Using The Wizard

1. Download the Nitro Deployment Wizard from http://in-stall.nitropdf.com/pro11/en/DeploymentUtility11_en.exe
2. Double-click to run the wizard, and click the **Browse** button to locate and open **nitro_pro11_x64.msi** *(this filename will vary depending on the product purchased and selected installation architecture)*
3. Enter your serial number or license file, and customize the deployment options accordingly
4. Click **Generate MST File** to create an MST

Syntax Example

```
msiexec /i \\server\nitro_pro11_x64.msi /qb TRANSFORMS=\\server\custom.mst
```

or

```
msiexec /i "C:\Users\Milo\Downloads\nitro_pro11_x64.msi" /qb TRANSFORMS="C:\Users\Milo\Downloads\nitro_pro11_x64.mst"
```

To Customize An Installation Using Orca

Orca[1] is an MSI database editor provided by Microsoft as part of the Microsoft Windows SDK[2] - for your convenience we have made this available as a standalone download from: http://install.nitropdf.com/support/downloads/orca.msi

Orca enables you to customize additional properties that are not available through a command line installation, and to create a Transform (MST file) commonly used with Group Policy Objects/Active Directory software deployment.

1. Install Orca from the link above.
2. Browse to the location of **nitro_pro11_x64.msi** (this filename will vary depending on the product purchased and selected installation architecture)
3. Right click **nitro_pro11_x64.msi** and select **Edit with Orca**
4. Click **Transform**, and then click **New Transform**
5. Scroll down the left column and select the **Property** table.
6. Find **NPSERIAL** in the right column, and double click on the entry **DEMO** to edit. Replace this with your unique serial number. Your changes will be highlighted in **green**.
7. If necessary, you can modify any additional properties as detailed in the Table 1.0 on the following page
8. Click **Transform**, and then click **Generate Transform**
9. Enter a name for your newly created Transform file.
10. The newly created transform can now be used for installation via GPO/AD, command line or your chosen deployment tool.

Syntax Example

```
msiexec /i \\server\nitro_pro11_x64.msi /qb TRANSFORMS=\\server\custom.mst
```

or

```
msiexec /i "C:\Users\Milo\Downloads\nitro_pro11_x64.msi" /qb TRANSFORMS="C:\Users\Milo\Downloads\nitro_pro11_x64.mst"
```

Nitro Pro with Microsoft Rights Management

To access PDF files that have been protected using Microsoft's Rights Management technology, the machines accessing the protected files will need to install Microsoft's Active Directory Rights Management Service (AD RMS) Client 2.1 and Microsoft Online Services Sign-In Assistant. Nitro Pro will then be able to decrypt RMS protected PDF files and grant RMS defined permissions to users.

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[1] http://msdn.microsoft.com/en-us/library/aa370557(v=vs.85).aspx
[2] http://msdn.microsoft.com/en-us/library/aa370834(v=vs.85).aspx

Customizable MSI Properties

Property	Description
NPSERIAL	Serial number
PROXYSERVER	Required if you use a proxy server to access the Internet, and have a <u>numeric</u> Nitro Pro serial number. Format: 'server:port' (169.0.0.11:8080)
PROXYUSER	Proxy username
PROXYPASS	Proxy password
DT_SHORTCUT	Create Desktop shortcut? (Yes=1/No=0)
OFFICEADDINS	Install MS office addins? (Yes=1/No=0)
NP_PDF	Default PDF file association (e.g. NitroPDF.Document.10, AcroExch.Document)
NP_FDF	Default FDF file association (e.g. NitroPDF.FDFDoc.10, AcroExch.FDFDoc)
MAXCPUCOREUTILIZATION	Number of CPU cores to be used by Pro. Options are defined below: 0 = automatically allocate number of cores to be used (this is set by default) 1 = 1 core will be used (**recommended for Citrix and Terminal Server deployments**) 2 = 2 cores will be used. 3 = 3 cores will be used. 4 = 4 cores will be used.
CLOUDENABLE	Enable cloud features like e-signature and document collaboration (Yess=1/No=0)
DROPBOXDISABLED	Disable Dropbox storage integration (Yes=1/No=0)
ONEDRIVEDISABLED	Disable OneDrive storage integration (Yes=1/No=0)
GOOGLEDRIVEDISABLED	Disable Google Drive storage integration (Yes=1/No=0)
NPBROWSERPLUGIN	Install web browser plugin for Firefox/IE (Yes=1/No=0)

Table 1.0 – MSI Properties

Connecting to Document Management Systems (DMS)

Nitro Pro has the ability to connect to different document management systems (DMS) to enable opening from and saving to these system from within Nitro Pro.

We have native integration (currently availble only for iManage WorkSite™) or via our DMS Connector plugin (available for iManage WorkSite™, Microsoft SharePoint® and other common DMS repositories)

Native iManage WorkSite™ Integration

Nitro Pro includes native support to open files from, and save to, a WorkSite document management system. The Nitro Deployment Wizard **must** be used to configure Nitro Pro to connect with your enterprise WorkSite server if you wish to have native integration - otherwise you will need to use our DMS Connector plugin.

To Configure iManage WorkSite Connection

1. Download the wizard from http://install.nitropdf.com/pro11/en/DeploymentUtility11_en.exe
2. Run the wizard and click **Browse** to locate and open **nitro_pro11_x86.msi** *(this filename will vary depending on the product purchased and selected installation architecture)*
3. Customize the options in the **General** and **Application** groups accordingly
4. Click the **WorkSite** group, and then click **Connect to WorkSite** (a local WorkSite client must be installed to configure the WorkSite connector)
5. Enter the IP address of the WorkSite server, along with the corresponding login credentials
    - Alternatively, tick **Trusted Login** to use the current Windows account
6. Click **OK**
7. In the Nitro Customization Wizard, configure the following options
    I. **Enable Save operation to WorkSite DMS**: enable saving to WorkSite repository
    II. **Default save location**: choose if files are saved by default to WorkSite or local disk
    III. **Restrict saving to default save location only**: prevent users from saving files anywhere other than the default save location (see Table 2.0 for example)
    IV. **Enable Open operation to WorkSite DMS**: enable opening of files from WorkSite repository
    V. **Default open location**: choose if files are opened by default from WorkSite or local disk
    VI. **Restrict saving to default save location only**: prevent users from opening files from anywhere other than the default open location (see Table 2.0 for example)
8. Click **Generate MST File** to create an MST

> When settings III and VI described in step no.7 above are disabled, users must hold the Shift key while clicking the **Create**, **Convert**, and **Add Files** buttons in Nitro's creation and conversion tools. An example is illustrated below.
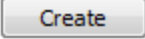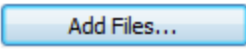
Command	Default Location	Shift Operator	Result
Save files	WorkSite	Shift + Create	File saved to local disk
Open files	Local Disk	Shift + Add Files...	Files added from WorkSite

Table 2.0 – Shift Operator

Configuration Scenarios

To help you determine the correct Deployment Wizard settings, the following examples and their respective settings cover the most common scenarios in typical WorkSite environments. A combination of both scenarios can be used to set different Open and Save configurations.

Scenario 1 - Allow users to open and save files locally and from WorkSite

Task	Location	Command	Enabled
Open file from local disk	File Menu	Open	TRUE
Open file from WorkSite	File Menu	Open from WorkSite	TRUE
Save file to local disk	File Menu	Save	TRUE
Save file to WorkSite	File Menu	Save to WorkSite	TRUE

☑ Enable Save operation to WorkSite DMS
　　Default save location:　Local File System
　　☐ Restrict to default save location only

☑ Enable Open operation to WorkSite DMS
　　Default open location:　Local File System
　　☐ Restrict to default open location only

Table 3.0 – Configuration Scenario 1

Scenario 2 - User can **ONLY** use WorkSite to open and save files

Task	Location	Command	Enabled
Open file from local disk	File Menu	Open	FALSE
Open file from WorkSite	File Menu	Open from WorkSite	TRUE

Task	Location	Command	Enabled
Save file to local disk	File Menu	Save	FALSE
Save file to WorkSite	File Menu	Save to WorkSite	TRUE

Table 4.0 – Configuration Scenario 2

Connecting To WorkSite™ and other DMS via the DMS Connector Plugin

Nitro Pro can also connect to WorkSite™, SharePoint® and other supported document management systems through an additional DMS plugin.

Note: Connecting to your DMS via the DMS Connector plug-in needs to be done post-installation of Nitro Pro

REQUIREMENTS:

1. A test workstation environment, this should already have the required DMS client
2. Software installed and configured for your organization. Nitro Pro installer
3. Nitro DMS Connector installer - nitro_dms2_x86.msi

PROCEDURE:

1. Install Nitro Pro
2. Install Nitro DMS Connector
3. A new folder will be created on your desktop with shortcuts for each step.
   - Configure access for your DMS as required and exit the configuration tool.
   - (Optionally) Add additional configuration parameters the XML files as described in the next section.
   - Test to ensure that the DMS can be correctly accessed via Nitro (under the File > Open menu)
   - Create the installer for deployment with the new configuration
4. You will now have three files for deployment, nitro_dms2_x86.msi, nitro_pdf_dms2_x86.mst and nitro_pdf_dms2_x86.cab that can now be copied to a network share for deployment.

If you are generating this on an operating system earlier than Windows 7, or Windows 2008 R2, you will need to replace the MSI in the output folder with the original MSI used for installation.

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Additional Configuration Options

In addition to the configuration options displayed via the configuration tool, additional configuration options can be found within *swiftwriter.xml*. These preferences have been added to enforce strict document management workflows present with some enterprise systems. These should only be set in Nitro if your DMS workflows also restrict these options.

- *AllowSaveOverwrite*: true/false, show the "overwrite existing version" options when saving the document
- *AllowSaveNewVersion*: true/false, show the "save new version" button when saving the document
- *AllowSaveNewDocument*: true/false, show the "save new document" button when saving the document.

SharePoint® Specific Configuration Information

When configuring "on-premises" SharePoint® servers, make sure that you have the domain specified for your user details - for example "domain\username".

When connecting to SharePoint® 365:
- You can only use the option "**Connect using this user**" for configuring the user login details
- "**Claims Based Authentication**" needs to be selected

In addtion, there may be a scenario for SharePoint® 365 in which you need to install Nitro Pro onto a Terminal Server, so you'll need to allow the end-users to configure their own login details.
The DMS connector's configuration file is stored at `C:\Program Files (x86)\Common Files\Omtool\OmDMSDB.xml` - if you go into this file, there should be a node called `<configuration>`

You then need to add this value into the node:
`<prUserSpecific>`**true**`</prUserSpecific>`

Save this change, and then this will then save the OmDMSDB.xml configuration file into `%appdata%\Omtool\DMS` for each user, which you can then configure the connection settings for each individual user once you've completed the installation.

Software Activation

Nitro Pro includes software activation systems to prevent unauthorized use of the product. Nitro Pro can be activated via a serial number, a license file or via a Nitro Account, depending on the type of plan that was purchased.
During removal the software will automatically be de-activated and the license issued to the PC will be returned to the central activation server. In addition, this implements concurrency checking to ensure that the number of copies of Nitro Pro in use does not exceed the number of licenses purchased.

If you are unsure which of the activation methods below you qualify for, contact your Nitro Customer Support Representative.

Activation with a Serial Number

This service is provided by Nalpeiron and requires machines to be able to access http://www.internetactivation.com during installation and removal.

Once the serial number is embedded as the NPSERIAL property in the MSI, the system will automatically attempt to activate during installation. The serial number is not exposed to the end user and if this fails manual activation with the serial number is required before the product can be used.

Activation with a License File

Using this method, a **License File** (using the file extension **.lic**) will be provided at the time of purchase and needs to be entered into the product to activate the product..

Using the Enterprise Deployment Utility, you can embed the License File into the MST that it generates - this is done by opening the Enterprise Deployment Utility, clicking on the **Serial Number** section and then clicking on the **Load From File** button to embed the License File.
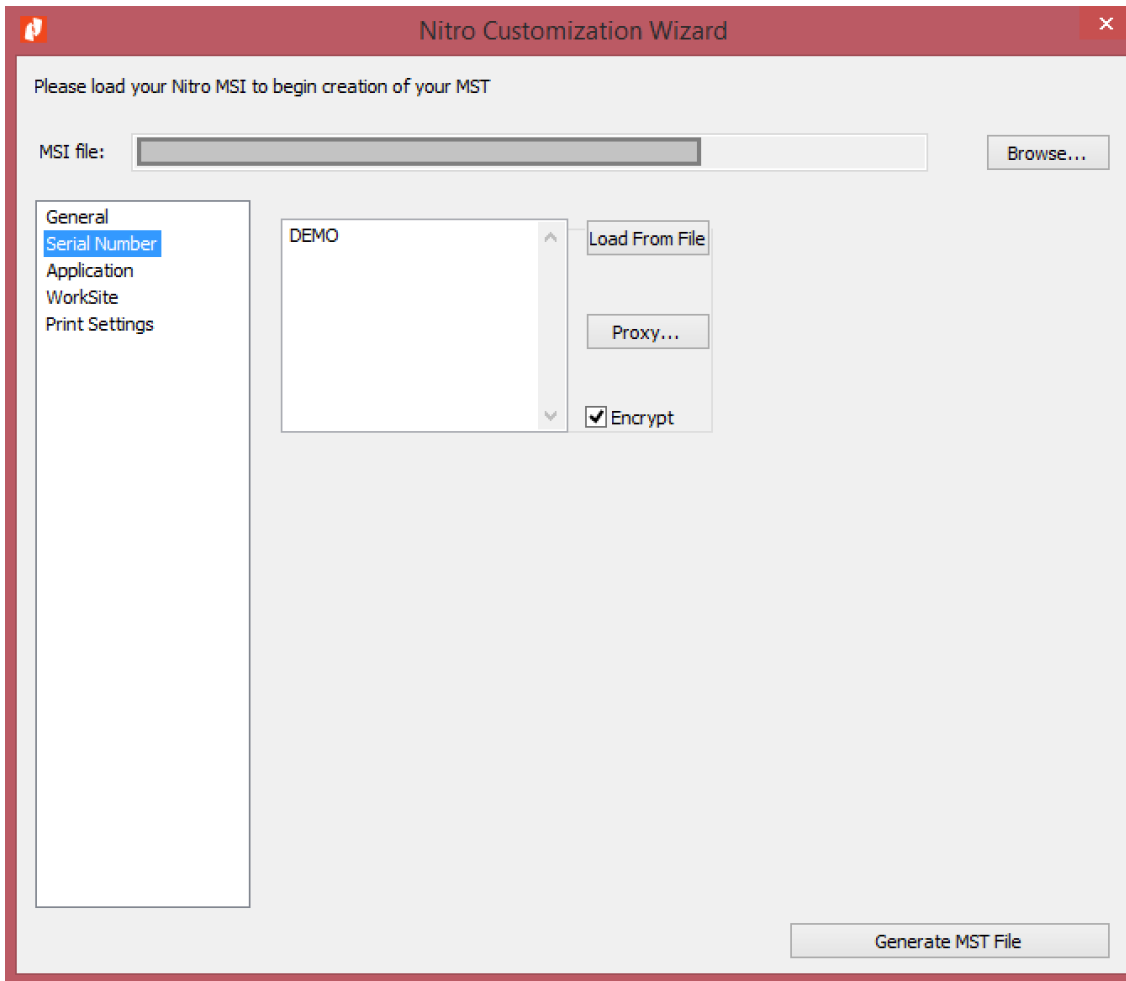
Table 5.0 – Embedding the License File via Deployment Utility

Activation with a Nitro Account

For subscription plans, the Nitro Pro activation is associated with a user's Nitro Account. Logging into Nitro Pro with a Nitro Account with th   e correct entitlements will activate the product. Users need to open **Nitro Pro** and select **Nitro Cloud** in the upper right-hand corner. From this dropdown, they will need to select **Log In** and enter their email and password credentials.

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Print Settings

'Optimize for PCL driver' should be selected when using PCL printer driver only. Use default print settings, unless there is a problem printing to PCL print driver queues.

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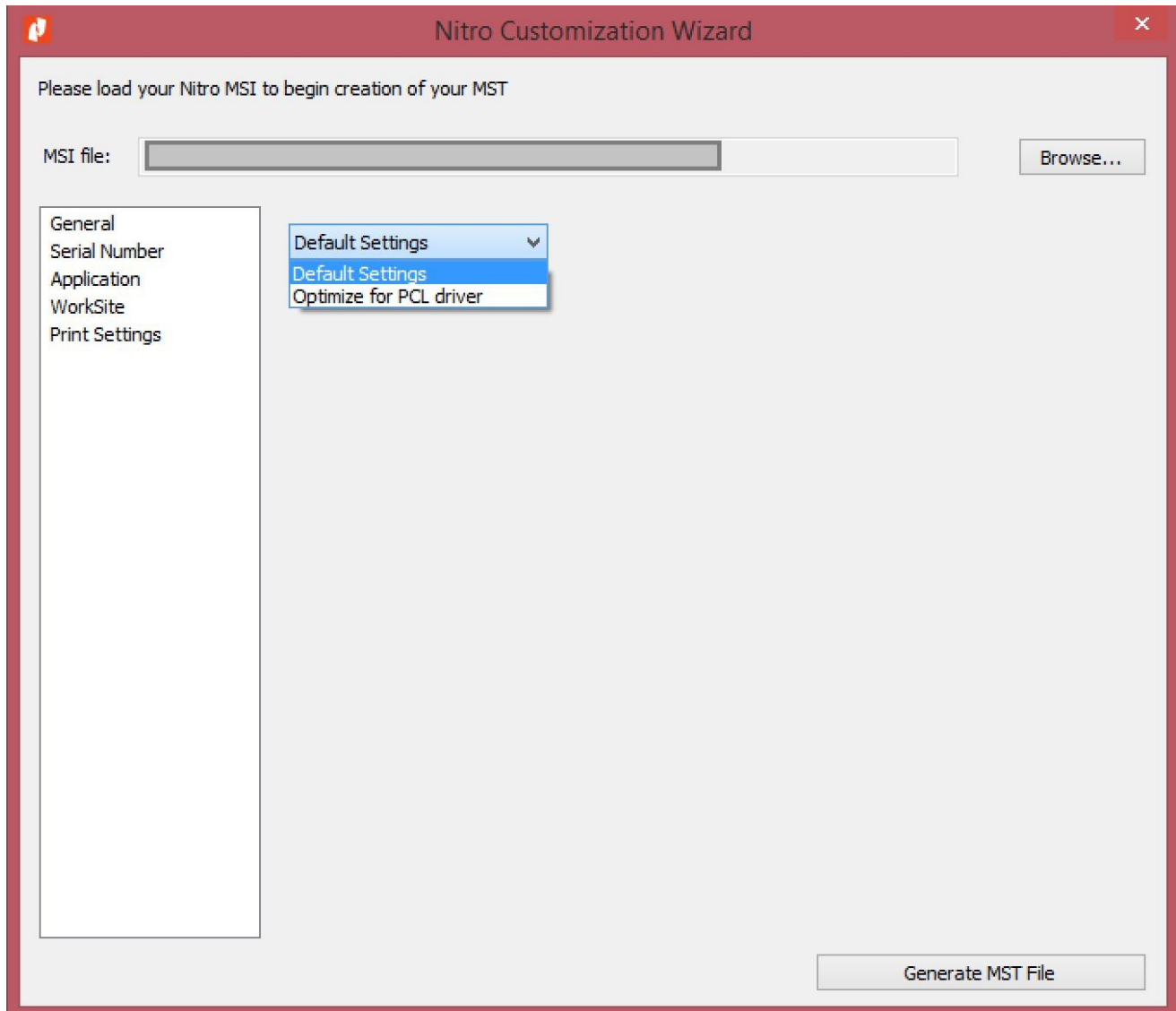
Deploy Nitro Pro

To Install Via Command Line

The syntax for command line installation is as follows, where NPXXX must be replaced with your serial number, with any dashes or spaces omitted.

```
msiexec /i \\server\path\nitro_pro11_x64.msi /qb NPSERIAL=NPXXX
```

For further information on command line parameters, please refer to the MSDN Documentation for Windows Installer 3.0 at http://msdn.microsoft.com/en-us/library/aa367988.aspx.

Use an MSI Transform to Deploy Custom Preferences

Please refer to the documentation for your chosen deployment tool for more details on how to deploy using an MST. For msiexec.exe command line installation with the TRANSFORMS property please refer to http://msdn.microsoft.com/en-us/library/aa372085(v=vs.85).aspx

Syntax Example

```
msiexec /i \\server\nitro_pro11_x64.msi /qb TRANSFORMS=\\server\custom.mst
```

or

```
msiexec /i "C:\Users\Milo\Downloads\nitro_pro11_x64.msi" /qb TRANSFORMS="C:\Users\Milo\Downloads\nitro_pro11_x64.mst"
```

Remote Desktop Services & XenApp

For installation on XenApp or Remote Desktop Services you require a Nitro Pro server license, which has two constraints: number of activations and number of users. The number of activations limits how many servers Nitro Pro can be installed on.
The number of users limits how many simultaneous instances of Nitro Pro can run on a single server. Once that number has been reached, any subsequent users connecting to the same server won't be able to run Nitro Pro. Since Nitro Pro is by default registered as the default PDF viewer, this may lead to issues unless you provide an alternative for those users. Nitro does not offer concurrent licensing at this time.

Notes on Remote Desktop Services

- Installation should be completed using **Install Application on Terminal Server**, found under the Control Panel. See the Microsoft best practices article here: http://technet.microsoft.com/en-us/library/cc742815(WS.10).aspx.
- To be prompted with the option to install the Microsoft Word, Excel and Powerpoint PDF creation addins during installation, you will need to have already installed Microsoft Office 2003, 2007 or 2010 on the server.
- If you choose to install the PDF creation add-ins during installation, please note that the add-ins will be installed for all users (thus requiring a Nitro Pro license for each Microsoft Office user).
- To prevent installation of the add-ins deselect the option presented during installation, or set the OFFICEADDINS MSI property value to 0 (see Customizable MSI Properties in this document).
    - The add-ins will be installed for all users (thus requiring a Nitro Pro license for each Microsoft Office user).
    - To prevent installation of the add-ins deselect the option presented during installation, or set the OFFICEADDINS MSI property value to 0 (see Customizable MSI Properties in this document).

Updating Nitro Pro

The MSI installer does not automatically check for updates, because in many environments the end user will not have permission to install software updates. For users who are deploying with the default preferences, no additional steps need to be taken. Nitro Pro can simply be delivered as an update via your chosen deployment tool.

If you have custom preferences embedded in a cab file however, you will need to recreate the transform file first, then update using your chosen deployment tools.

To obtain the latest installation files, please contact your Nitro Customer Support Representative.

Contact Support

If you experience any issues, please contact our support team through our website:
http://www.gonitro.com/support

To ensure a quicker response, please include as much information as possible, including:

- Company Name
- Your Nitro Account Executive
- Serial number(s)
- License type(s)
- Application version
- Operating System(s)
- Anti-virus software used
- Deployment methods

For Remote Desktop Services/XenApp deployments please also include:

- Server Operating System
- Application Delivery method (RDS, Streamed, Published App, Published Desktop, etc.)
- Size of farm
- Virtualization methods (if any)