Introduction
This Wonderware NorthEast TechTip details the typical installation procedure when the core System Platform will be used on a Single-Node – Application Server 3.0 and InTouch 10.0.

Application Versions
- Microsoft SQL Server 2005 Workgroup and Standard Editions, with Service Pack 2
- InTouch® 10.0 with Patch 02
- Industrial Application Server 3.0 with Patch 1
- Microsoft Windows XP Service Pack 2 or Windows 2003 R2 Service Pack 2

Installation Procedure
1. To Install SQL Server 2005, please refer to Wonderware Tech Note 484, Installing Microsoft SQL Server for Use with Wonderware Products.
2. Once Microsoft SQL Server 2005 is installed, install Microsoft SQL Server 2005 Service Pack 2 using the DVD. Run the SQLServer2005SP2-KB92186-x86.exe to install the Service Pack
3. Install the InTouch HMI Software
4. Install the Industrial Application Software
5. Create a new Galaxy.

Installing the InTouch HMI Software
At any time during the installation: You can click Back to return to previous dialog boxes to change your selections. You can click Cancel to stop the installation. A dialog box appears with options to resume the installation procedure or exit from it.

To install the InTouch HMI software
1. Log on to the computer with a local administrator account.
2. Insert the InTouch CD into the computer’s CD or DVD drive. The InTouch installation should start automatically. If the installation does not start, do the following:
   a. Click the Start menu.
   b. Click Programs, and then select Windows Explorer from the Accessories folder.
   c. Locate the InTouch CD placed in the computer’s CD or DVD drive.
   d. Select the setup.exe file located in the root folder of the InTouch installation CD.
   e. Press Enter or double-click with your mouse to start the installation procedure.
3. If prompted to install Microsoft .NET Framework, click OK.

   NOTE: you can click Skip if you want to manually install .NET Framework. After installing .NET Framework, you return to the InTouch installation procedure.

4. In the Welcome dialog box, click Next.
5. In the License Agreement dialog box, select I accept the License Agreement and click Next.
6. In the Select Features and Destination Folder dialog box, do any of the following, and then click Next.
   a. Select optional components to install with the InTouch HMI.
   b. Click Browse to change the folder location where the InTouch HMI is installed.
   c. Click Disk Cost to determine if you have enough free space on the selected disk to install the InTouch HMI.
   d. Click Reset to restore the default installation selections.
7. In the User Name and Password dialog box, set up a user account for InTouch off node communications.
   a. COMPUTERS IN A DOMAIN: This account should be a Domain User account with Local Administrative Rights.
   b. COMPUTERS IN A WORKGROUP: This account should be a local Administrative account. In order to communicate to remote machines, this same user information (User Name and Password) will need to exist and used on all machines.
   c. By default, Create Local Account is enabled, which disables the Domain/Local Machine option. Provide a user name and password to create a new local user account on the computer.
   d. Clear the Create Local Account check box to make the Domain/Local Machine option available. You can then specify an existing local user account or domain user. After typing the user name and password, the InTouch installer verifies the existence of the user account. A message appears if the user account does not exist or the password is incorrect.

   The User Name and Password dialog box does not appear if you have already installed an ArchestrA-based product on this computer. For more information about user names and passwords in your ArchestrA-based product, see the product manuals that came with the other product.
8. Click Next. The Password Policy dialog box appears with a warning that the password for the user account you specified must never expire. Select one of the following:
   a. Click Back and change the user account if you specified an account with a password that expires.
   b. Click Next to continue with the installation procedure.

9. In the Ready to Install Wonderware InTouch dialog box, scroll the list to verify your InTouch installation choices. Select one of the following:
   - Click Back to return to an earlier installation dialog box and make changes.
   - Click Next to continue installing InTouch on your computer. InTouch files are copied to the computer.

The Updating System dialog box shows the progress of the installation. The installer stops and shows the OS Configuration Utility dialog box if it detects that InTouch software is being installed on a computer that belongs to an Active Directory domain.

10. Click OK.

   After the InTouch HMI is successfully installed on your computer, the Installation Complete dialog box appears with a check box to install the Wonderware Application Server.

11. Based on your decision to install one or more Wonderware Application Server components, do one of the following:
   - Select the check box and click Finish. You see a dialog box to specify the location of the Wonderware Application Server CD. After typing the location of the CD and clicking Continue, follow the Wonderware Application Server installation instructions.
   - Clear the check box and click Finish to exit from the InTouch installation procedure.

Installing Application Server Components

You can install all components of the Application Server system or just individual ones. The components are:

- Bootstrap: The base ArchestrA service required on all ArchestrA computers. The Bootstrap is required for all installations.
- IDE: The Integrated Development Environment, the configuration tool for ArchestrA applications.
- Galaxy Repository: The configuration database for an ArchestrA application.
- PDF Documentation: The Application Server user guides, which you can view using the Adobe Reader.
To install an Application Server component

1. Run Setup.exe from the CD-ROM. The **Welcome** dialog box appears. If you are installing Application Server on a computer with Terminal Services enabled, the **After Installation** dialog box appears after the **Welcome** dialog box. Do nothing with this dialog box until Application Server installation is complete. Then click **Next**.

2. Click **Next**. The **License Agreement** dialog box appears.

3. Click **I Accept the License Agreement**. You can print the License Agreement by clicking **Print License**.

4. Click **Next**. The **Select Features** dialog box appears.

5. Configure the installation details. Do the following:
   a. In the window, select one or more components to install.
   b. If you don’t want to use the default destination folder, click **Browse** to select a different folder.
   c. To check if there’s enough room on the destination disk, click **Disk Cost**. The numbers shown are estimates.
   d. Click **Reset** to return all selections to the defaults.

6. If a **Prerequisite Software** dialog box appears, note the software and versions listed. If you need to manually install any software, click **Exit Install**, install the required software and then run Setup.exe again. For more information, refer to the **Application Server Installation Guide** on the product CD.

7. In the **User Name and Password** dialog box, enter the appropriate data. For more information, refer to the **Application Server Installation Guide** on the product CD.

   **Note** The **User Name and Password** dialog box does not appear if you previously installed another ArchestrA-based product.

8. Click **Next**. The **Ready to Install the Application** dialog box appears.

9. Click **Next**. The **Updating System** dialog box appears, showing the installation progress. At the end of the installation, the final dialog box appears. Select either of the following:
   a. Click **View ReadMe** to read important notes about this version of the product.
   b. Select the **Launch Application Server IDE** check box to start the IDE immediately after installation.

10. Click **Finish**. If you are prompted, restart the computer prior to launching the development environment.
Creating a New Galaxy

Creating a new Galaxy requires you to specify a Galaxy Repository (GR) node name and the name of the Galaxy. The Galaxy database is created and is ready for you to connect to and use. You can only create a new Galaxy on a computer with the Bootstrap and the Galaxy Repository software installed. New Galaxies are created without any security restrictions.

To create a new Galaxy

1. On the Start menu, point to Programs, Wonderware and click ArchestrA IDE. The Connect to Galaxy dialog box appears:

2. Click New Galaxy... button. The New Galaxy dialog appears with a Galaxy Type drop-down list.

3. The GR Node Name drop-down list should pre-populate with the machine name. In the Galaxy Name box, type the name of the Galaxy you want to create within that Galaxy Repository.

**NOTE:** Galaxy names can be up to 32 alphanumeric characters, including _ (underscore), $, and #. The first character must be a letter. Galaxy names cannot contain spaces. You cannot use the following reserved names as Galaxy names: Me, MyContainer, MyArea, MyHost, MyPlatform, MyEngine and System.
4. In the **Galaxy Type** list, select the type of galaxy to create. There are several options to choose from:

- **Default Galaxy**: This will build a new galaxy from the individual object files that are installed with Application Server 3.0. Base Automation Object Templates are imported along with the ArchestrA Symbol Library. This galaxy is suitable for InTouch Managed/Published Application Development.

- **Base_Application_Server.cab**: The galaxy created from this selection is functionally equivalent to the Default Galaxy. The difference is that this galaxy is created from a Galaxy Backup .CAB file supplied by the installation. This galaxy is suitable for InTouch Managed/Published Application Development.

- **Base_InTouch.cab**: The galaxy created from this backup includes the ArchestrA Symbol Library and the InTouch Application Template required to create new InTouch applications. This galaxy is suitable for InTouch Published Application Development.

- **Reactor_Demo_Application_Server.cab**: This galaxy is a System Platform 3.0 version of the traditional InTouch Reactor demo. This sample shows the Reactor demo as a full object based application deployment. This galaxy is suitable as a reference for InTouch Managed/Published Application Development.

- **Reactor_Demo_InTouch.cab**: This galaxy shows the traditional Reactor Demo updated with ArchestrA Graphics. This galaxy is suitable as a reference for InTouch Published Application Development.

5. After the galaxy is created, it will be available in the **Galaxy Name** drop down list on the **Connect to Galaxy** dialog. Select the new galaxy and click **Connect** to launch the development environment in the new galaxy.