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XML Applications

SECTION 1  INTRODUCTION

The NEC XML-Application is a service that provides user specific content to NEC IP-CTS, IP DESI-Less, and IP Enhanced terminals.

Services that are provided for each IP-CTS, IP DESI-Less, and IP Enhanced user include:

- Display analog clock and calendar indicating “today”
- Weather for a maximum of three zip codes specified by the user
- Photo album where user can upload photographs, which will be cycled on the terminal display
- Display Outlook address book
- Display Outlook Calendar appointments
1.1 **System Requirements**

System requirements include:

- The application is assumed to be hosted by the organization as an intranet application.
- XML phones (the application on the phone should have HTTP access to the web server)
- ASP.NET 2.0 for the web application and SQL Server Express 2005 for the database are required.
- Microsoft Internet Information Service 6.0 – IIS installed
- 32 bit CPU, 1.6GHz with a minimum 1G RAM and 40GB Hard Drive
- Windows XP Professional

**SECTION 2 INSTALLATION SETUP**

2.1 **XML Server Installation**

2.1.1 Make Sure IIS Services are Installed

Installing the IIS Service may require the Windows Service Pack 2 or Install disk that came with your PC.

1. Click **Start - Control Panel - Add Remove Components.**

Control Panel Classic View  OR  Control Panel Category View
2. Click **Add or Remove Windows Components**.

![Windows Components Wizard](image)

You should see ISS Internet Information Services. If IIS shows up, skip to the next section. Otherwise, continue with the steps below.

3. If IIS does not show in **Add Remove Windows Components**: Open Notepad *(Start -> All Programs -> Accessories)*

4. Click **File -> Open -> Navigate to the Windows folder**. Then open the INF folder. Open up the **SYSOC.INF** file.
5. Delete the HIDE towards the end of the line. Do not delete the commas. Don’t put any spaces in-between the commas.

Sample sysoc.inf file:
===============================================================================
[Version]
Signature = "$Windows NT$"
DriverVer=07/01/2001,5.1.2600.0

[Components]
NtComponents=ntoc.dll,NetOCSetupProc,.4
WBEM=ocgen.dll,OcEntry,wbemoc.inf,hide,.7
Display=desk.cpl,DisplayOcSetupProc,.7
Fax=fxsocm.dll,FaxOcSetupProc,fxsocm.inf,.7
NetOC=netoc.dll,NetOcSetupProc,netoc.inf,.7
iis=iis.dll,OcEntry,iis.inf,HIDE,.7 <= Remove the word HIDE only

6. Click File ->Save.

7. Open the Add or Remove Programs in the Control Panel.

8. Click on Add/Remove Windows Components. You will now see options for IIS.

9. Check the box next to Internet Information Services and follow the screen prompts.

10. When prompted for the Windows disk, insert it in the tray and click next.

11. Make sure the Windows Firewall is off or the XML Client will not be able to connect to the XML server.
12. Turn on IIS Services

13. Click **Start ->Run** and type **cmd**

14. Click **OK**.

The Command window displays:

15. Type:
   ```plaintext
   cd\windows\microsoft.net\framework\2.0.50727
   ```

16. Type: **aspnet_regiis.exe -i**
   
   - This will install ASP.NET
17. Type **exit** when finished
2.2 XML Application Setup

The provided Windows installer will install and create both the SQL Server Express, SQL Database and the Web Configuration Application.

1. Download and unzip the XML-App.zip file.
2. Double-click the **Setup_050808.exe** file, setup begins. Accept the SQL Server 2005 Express License Agreement.

3. The NEC XML Application Suite Setup begins. Installation time varies, depending on CCPU capabilities.
4. The NEC Application Installer automatically installs SQL Server Express (if not previously installed on the local PC). Click **Next >**.

5. Click **Next >** once the files have been installed.
6. Select **Next>** on the Setup Wizard to start installation.

7. Select **I Agree** and press **Next>** to the accept the Software License Agreement.
8. Browse the location for files to be installed on the local PC (using the default location is recommended). Click **Next**.

![Select Installation Folder]

9. Click **Next** to confirm the installation.

![Confirm Installation]
10. **Installation Complete** is displayed when all components have been installed completely.

Make sure proper firewall, and sharing properties are configured to allow access to the IIS and XML Suite web pages.

2.3 **XML Suite Web Configuration**

- If you get the message "This is a marker file generated by the precompilation tool, and should not be deleted!", refer to Chapter 2.1.1 (page 3-2) to reinstall ASP.net.

To access the XML Server: Click Start -> All Programs -> NEC -> XML Application Suite.

2.3.1 Administrator Login

An administrator account is preset during installation. The Administrator is responsible for the addition, basic setup and maintenance of all the User Accounts. Access the Administrator Account by using either the link from the Start All Programs NEC XML Application Suite or with Internet Explorer and the following URL:

http://localhost/xmlphone/WebLogin.aspx

- Localhost can be used if accessing the Web Page from a local PC where XML Suite has been installed. When accessing the Administrator Web Configuration Page remotely, "localhost" needs to be replaced with the IP Address of the PC where the XML Suite was installed.

- If accessing the Administrator Web Configuration from a remote, PC all proper network connectivity must be maintained.
1. At the XML Application Suite Home Login page enter:
   Administrator Login: Admin
   Administrator PIN: 12345

2. Press the Submit button to login into the XML Application Suite.
3. The Administrator Login Home Page has five configuration Tabs.
   - **Home** – navigates from current screen back to the Home Page
   - **Subscribe** – Enables XML content to be displayed on the IP-CTS, IP DESI-Less, and IP Enhanced terminals
   - **Profile** – Displays user account information
   - **Administration** – Administration of user accounts and System, Dial Plan information
     
     *This option will only appear when logging on with Administration access.*
   - **Logout** – Current user logout
Administration Page

The Administration page is used to setup, manage and delete individual User Login accounts. An account with unique User Name and PIN need to be configured to give access rights for each individual to configure personal settings for their XML terminal.

Press Submit to save any setting changes.

NOTE: Home, Subscribe, Profile, and Logout Pages will be discussed in the User Login (page 3-18) section.

System Information – This field is used to set redirect links to other external XML applications that are not managed by the XML Application Suite. Up to 4 links can be added for connections to other XML applications. These 4 links will be used for all User Accounts.

Telephone Numbering Plan – These fields are used with the Outlook Contact list integration. Use these fields to adjust Outlook contact phone numbers to comply with configured house telephony settings.

Entering local area codes will strip the “1” in front of the area code that might be saved in the Outlook Contact information.
Seven digit dialing needs to be selected in areas that local calls do not require area codes.

Long Distance Prefix will add a predefined number to Outlook contact information with area codes not listed in the Local Area Codes field.

Trunk Access Code can be used to add a defined number to the front of a saved Outlook number to access an external line.

**User List**

From the Administration page, the User List can be used to display all active users setup in the system by selecting the Display All Users link in the left column. From the **Display All User** link on the left side of the page, individual users can be deleted from the XML Application Suite, therefore, denying access from viewing XML content on an XML terminal and from the XML Application Suite web login.
Add User

Administrator’s Level access will allow an individual (system administrator) to add and configure users for XML Application access. From the Administration page, select the **Add User** link in the left-hand column to add a new user account. A new user account must be setup for each individual that will require access to the XML Application from their IP-CTS, IP DESI-Less, and IP Enhanced terminals.

**Name:** For Reference enter the First and Last Name of the user to define the account in the appropriate fields.

**Login:** Enter a unique login in name that will be used when logining into the user web configuration page. Example: first letter of first name and last name (J Doe)

**PIN:** PIN is the unique user password used for web configuration and from the terminal XML login home page. Example: use the individuals extension number

**Email/Contact** – these fields are used for administrator reference for the user account

**Is Admin:** Select this box if you wish this user account for have full administrator rights. Example: Add/Delete users and modify System Link URL information.

- **NOTE:** These Pages can be setup for Administer login on any of the XML terminals.
2.3.2 User Login

The User Login Home Page has 4 configuration Tabs. (The Administration tab will be displayed as well for those users with access.)

- Home – navigates from current screen back to the Home Page
- Subscribe – Enables XML content to be displayed on the IP-CTS, IP DESI-Less, and IP Enhanced terminals
- Profile – Displays user account information
- Logout – Current user logout

These pages can be set up for User Login on their personal XML IP-CTS, IP DESI-Less, and IP Enhanced terminals.

2.3.2.1 Home Page

The Home Page is the default entry page.
2.3.2.2 Subscribe Page

The Subscribe Page has 4 individual Subscription pages that will allow or deny content to be viewed from the XML IP-CTS, IP DESI-Less, and IP Enhanced terminals:

- Alarm Clock
- Weather
- Photo Album
- Outlook
Alarm Clock

To subscribe to the Alarm Clock page, check the Subscribe button.

In the Clock Setting Field select the appropriate Time Zone for your location. Enable or disable the alarm with the ON/OFF parameter setting. Use the Date and Time configuration fields to set the desired time and date that the alarm needs to activate. The Repeat function allows the alarm to repeat on a daily or weekly basis at the set time. The Note text box is useful to enter reminder text about the alarms purpose and displayed on the terminal interface.

Press the Submit button to activate the Alarm Setting.
Weather

Select the Subscribe button to enable weather content to be displayed on the XML terminal. Each user has the ability to select up to 3 different US Zip Codes to display the current and the 2 day forecast.

Press the Submit button to activate the Weather Service.

NOTE: The ZIP Codes can also be edited from the XML terminal interface after the service has been enabled from the XML Application Suite.
Enable the Photo Album service by selecting the **Subscribe** button. Each user can upload personal pictures or graphics that they wish to display on their XML terminal. Assign a name to each uploaded photo by entering text into the name field. Use the browse button to search and open the desired graphic content. Press the **Submit** button to save the photos to the XML database. Uploaded photos and graphics will be displayed in alphabetical order under Uploaded Files. Run your mouse cursor over the uploaded file image to see how it will be displayed on the XML terminal screen.

**NOTE:** The XML Application Suite will convert size and format for each uploaded file to meet the specifications of the XML terminal display.
The XML Application Suite can integrate with Microsoft Outlook Calendar and Contacts. Enable both or individual Outlook content by selecting the Subscription buttons. To integrate the Outlook calendar and Contact list from your Outlook account install the Outlook Sync Application from this web page (Click here to install XML Sync Application). The Outlook Sync Applications needs to be installed on the PC of the User to which this account is configured.

After selecting the installation, the following window appears for entry of the XML location, login, and pin. Enter the PC name (copy/paste from the above window) for the XML Application web site and enter the user’s login and pin. Click Save Settings when completed.
Enter the Personal Account information Login and PIN that has been assigned to the user to login into the XML Application Suite web site. Select the check box “Enable Synchronization” to sync the XML Outlook Sync tool with your Microsoft Client.

XML Application Outlook Sync Application will install an icon in the system tray. Double click this icon to enter the XML Application Suite URL (this will be displayed on the Web Configuration screen).

This Sync application will run on the background on the user/personal PC to Sync Outlook information from the local Outlook client the XML Application Network Database.

NOTE: Microsoft Outlook must be installed and running on the PC that the Outlook Sync Application was downloaded.
2.3.2.3 Profile Page

User Profile page can be used by each user to update name and contact information. Each user will also be able to reset their personal PIN used for Web and terminal XML login.

Fast Login – When selected the XML database will remember which terminal the user account is being accessed from. This will bypass the User Login page on the terminal after the initial login.
2.3.2.4 Logout Page

XML APPLICATION SUITE

XML Phone Services
You can use this web site to set preferences and subscription information for the XML Phone services.
The Login and PIN are the same for the phone and the web site to use the services.
If you do not have a login please contact administrator.

[Login Form]

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2.4 XML Terminal

To access and view the XML Application on the NEC IP-CTS, IP DESI-Less, and IP Enhanced XML terminals to criteria need to be met. Terminal configuration needs to have the XML Application URL entered and XML enabled in terminal menu settings.

2.4.1 Terminal Configuration Setup

NEC IP Terminals can be configured in one of 3 ways:

- Manual Handset Programming
- IP Manager Application or Auto Configuration Settings
- Web Browser

NOTE: This instruction follows the Web browser Setup procedure. Consult corresponding IP terminal user guides if one of the other 2 methods is desired.

2.4.2 Terminal Web Configuration

1. Open a web browser and enter the IP Address of the IP terminal to be configured.

NOTE: The Terminal IP Address can be viewed by pressing the terminal CHECK Key for 2 seconds. Select #2 System Information, #1 Network Settings and the Down Soft Key one time. Press the Terminal Exit key to return to the main Application.
2. Login to the administrator page with your Administrator Terminal Configuration credentials:
   User Name: ADMIN
   Password: 6633222

3. The following screen displays. From the left-side menu, click Application Settings - XML Settings - XML Browser - Home URL.
4. In the window which appears, access and enter the URL for the XML Application server. The URL entry should be entered as follows - exchanging the “xxx.xxx.xxx.xxx” for the XML-APP server IP address or name.

http://xxx.xxx.xxx.xxx/xmlphone/phonelogin.ashx

- “Localhost” as the IP name if accessing the Web Page from a local PC where XML Suite has been installed. When accessing the page remotely, “localhost” needs to be replaced with the IP Address of the PC where the XML Suite was installed.

5. Select OK twice. Click Save in the window which appears – the terminal will reboot with the new settings.
2.4.3 Enable XML Application on the XML Terminal

1. Press the Terminal Menu Key.

2. Select #2 or touch the Tool icon.

3. Select #1 or touch the Service text.

4. The Display will ask for your PIN that was set up for your individual account in the previous chapter. Enter your personal PIN using the terminal dial pad and press the Login Soft Key.
2.4.4 Terminal Display Screens

- Home Screen – Use the Home Screen to navigate to other Subscribed applications. Touch the associated icon to navigate away to this page. Each linked page will have a Home icon in the upper right corner with will redirect you back to this Home Screen.

- System Screen – System Screen is setup by the administrator as a link to other XML applications not associated with this application. Up to 4 other links can be supported on the gateway page.
Clock and Calendar – Use the clock and calendar screen to see the current time and date, and view days on the calendar.

- Touch the Calendar arrows to view the previous and next month.
- Touching the System icon will redirect you to the System Screen.
- Touching the Home icon will take you back to the Home Screen.
- Alarm Screen – From the Web Configuration Utility day and time can be set to have a reminder displayed on your terminal screen. The Screen will display current time and date as well as the reminder time and date plus any Notes about the reminder that were entered through the Web Configuration Utility.
  - Touching the System Icon will redirect you to the System Screen
  - Touching the Home icon will take you back to the Home Screen
Weather – The weather screen will display zip code city name, current temperature, and 3 day forecast. Up to 3 zip codes can be entered within the continental US.

- Touching the Weather Icon will refresh the current page. (Page will auto refresh every one minute)
- Touching the Edit Zip Codes will allow the addition or removal of zip codes from the terminal interface.

- Touch the Home Icon to return to the Home Page
- Photo Album – The Photo album will display the previously uploaded pages for each individual account in the Web Configuration utility. These Photos will automatically refresh to the next uploaded photo accordingly to the predetermined time set in the Web Configuration Utility.

Touch the Home Icon on the Terminal Screen to return to the Home Screen at any time.
<table>
<thead>
<tr>
<th>Important Telephone Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales Support and General Information                          800-365-1928</td>
</tr>
<tr>
<td>Technical Service</td>
</tr>
<tr>
<td>Current Products                                               203-925-8801</td>
</tr>
<tr>
<td>Current Products After Hours (Emergencies Only)                 203-929-7920</td>
</tr>
<tr>
<td>Discontinued Products                                          900-990-2541</td>
</tr>
<tr>
<td>Customer Service                                               203-926-5444</td>
</tr>
<tr>
<td>Technical Training                                             203-926-5430</td>
</tr>
</tbody>
</table>

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