

## Purpose

This checklist is provided to help customers prepare their systems to meet the system requirements for a successful eControl 3.5 deployment. This checklist is designed for single eDirectory Tree and single GroupWise system.

## Mandatory and Optional Requirements

Mandatory requirements must be met. Certain system requirements are optional and only need to be met if eControl will be used to manage those resources. Optional requirements are indicated in the checklist. eControl system requirements focus on four types of systems:

- **eControl Host Server** – will host the eControl server and website.
- **eControl Remote Agent Server** – will host the eControl Connection Agent Service to facilitate connections between eControl Host Server and a GroupWise domain hosted on another Windows server.

eControl Host Server - MANDATORY <input checked="" type="checkbox"/>	
<p>Windows Server 2003, 2003 R2, 2008, 2008 R2 with latest Microsoft Updates:</p> <ul style="list-style-type: none"> <li>• <b>OS Edition:</b> Standard or Enterprise edition</li> <li>• <b>Webserver on Windows 2003:</b> IIS 6 is installed. Ensure that ASP .NET v2.0.50727 web service extension is enabled in IIS Manager.</li> <li>• <b>Webserver on Windows 2008:</b> IIS 7 is installed. Ensure that the following 'Role Services' are installed (in addition to the standard IIS roles): <ul style="list-style-type: none"> <li>○ Under 'Application Development' - 'ASP .NET' role.</li> <li>○ Under 'Security' - the applicable 'Authentication' role for your environment.</li> <li>○ Under 'Management Tools' - 'IIS 6 Management Compatibility' and all child roles.</li> </ul> </li> <li>• <b>Minimum Disk Space:</b> 500 MB disk space (in addition to server OS requirements)</li> <li>• <b>Minimum RAM:</b> 256 MB RAM (in addition to server OS requirements)</li> <li>• <b>Minimum CPU:</b> Intel P4 / AMD Athlon XP (x86 or x64)</li> <li>• <b>Software Requirements:</b> <ul style="list-style-type: none"> <li>○ Microsoft .Net 3.5 SP1</li> <li>○ Windows Powershell 1.0 (Windows 2003) or Powershell 2.0 (Windows 2008)</li> <li>○ Silverlight (optional to support eControl Dashboard)</li> </ul> </li> </ul> <p>Do not install eControl Host Server on a SharePoint (WSS or MOSS) server or other dedicated application server utilizing IIS.</p>	<input type="checkbox"/>
Disable IE Enhanced Security (recommended) or trust the localhost site.	<input type="checkbox"/>
Create an eControl service account as a local user and make it a member of the local "Administrators" group. Ensure that the username and password is the same as the eControl service account created in the eDirectory tree. Set the password to not expire.	<input type="checkbox"/>



## eControl 3.5 Requirements Checklist for eDirectory & GroupWise

<b>eControl Host Server – eDirectory - MANDATORY</b>		<input checked="" type="checkbox"/>
<p>All versions of eDirectory eDirectory 8.5+ running on any Novell supported platform (including NetWare, SuSE (Linux), Windows).</p> <ul style="list-style-type: none"> <li>• An LDAP enabled server for authentication access to the eDirectory tree.</li> <li>• For simple/universal password support, SSL must be enabled on the LDAP server (enabled by default).</li> <li>• eControl Host Server <b>does not</b> need eDirectory locally installed.</li> </ul>	<input type="checkbox"/>	
<p>eControl Host Server can be installed on a dedicated stand-alone or member Windows server:</p> <ul style="list-style-type: none"> <li>• If eControl will manage just eDirectory, install on a stand-alone Windows server.</li> <li>• If eControl will manage a mixed eDirectory and Active Directory (AD) environment in the same Forest, install the eControl server on a top-level AD domain member server that will be least impacted by Domain GPOs (best practise).</li> <li>• When in doubt, contact Omni technical support for guidance.</li> </ul>	<input type="checkbox"/>	
<p>Create an “eControl” service account in each eDirectory tree and grant it supervisor rights to the root of the tree. Set the password to not expire.</p>	<input type="checkbox"/>	
<b>Novell Home Directory Support – (Only Configure if Required)</b>		<input type="checkbox"/>
<p>eControl uses NCP to manage home directories.</p> <p><b>On the eControl Host Server:</b></p> <ul style="list-style-type: none"> <li>• Not required if Novell Storage Manager is used (all version supported).</li> <li>• Home directories must be located on network available NSS volumes (NetWare or OES2 Linux) or OES2 Linux NCP mount share. <i>Does not support home directories stored on Linux servers on non-NSS volumes or Windows servers.</i></li> <li>• Novell client 4.91.5+ must be installed.</li> </ul>	<input type="checkbox"/>	

GroupWise Support – (Only Configure if Required) <input checked="" type="checkbox"/>	
<p>The eControl host server must connect to a GroupWise domain (<b>wpdomain.db</b> file) that is located on a NSS volume (NetWare or SUSE Linux), NCP Mount share (SUSE Linux) or local drive on Windows server where eControl is installed.</p> <p>Windows Server 2003, 2003R2, 2008, 2008R2 with latest Microsoft Updates that meets requirements for eControl Host Server plus:</p> <ul style="list-style-type: none"> <li>• Disable Data Execution Protection (DEP) or configure DEP for the GroupWise client.</li> <li>• All versions of GroupWise 5.5 EP+ are supported.</li> <li>• GroupWise 7.0 SP3 + and SOAP enabled on the post offices is required to support all eControl management tasks.</li> <li>• GroupWise Client (should match server version) must be installed on the eControl Host Server.</li> </ul>	<input type="checkbox"/>
<p>Three different configurations are supported:</p> <ol style="list-style-type: none"> <li>1. GroupWise Domain on a network accessible NSS volume (hosted on either Netware or Linux) requires a Novell Client version 4.9+ installed and GroupWise client to be installed on the eControl host server. No "Omni eControl Connection Service" is required.</li> <li>2. For GroupWise system installed on a Windows server: <ul style="list-style-type: none"> <li>▪ Option 1 - install an empty secondary domain on the eControl host server (recommended), or</li> <li>▪ Option 2 - install the "Omni eControl Connection Service" on the Windows server hosting a GroupWise domain.</li> </ul> </li> </ol>	<input type="checkbox"/>          <input type="checkbox"/>  <input type="checkbox"/>
<ol style="list-style-type: none"> <li>3. For GroupWise hosted on a Linux server (installed on non-NSS volume): <ul style="list-style-type: none"> <li>• Option 1 - install an empty secondary domain on the eControl host server (recommended), or</li> <li>• Option 2 - install an empty secondary domain on a NSS volume on a Netware or Linux server, or</li> <li>• Option 3 - install an empty secondary domain on a Windows server and install the "Omni eControl Connection Service".</li> </ul> </li> </ol>	<input type="checkbox"/>          <input type="checkbox"/>  <input type="checkbox"/>
Firewall Support – (Configure as Required) <input checked="" type="checkbox"/>	
<p>Ensure that any firewalls between the eControl Host Server and the all servers that the eControl Host Server will connect with are open for:</p> <ul style="list-style-type: none"> <li>• TCP Port 636 In/Out to support SSL for password management.</li> <li>• TCP Port 7190 In/Out to support connection between the eControl host server and the Exchange server where the eControl Remote management Agent is installed.</li> </ul>	<input type="checkbox"/>  <input type="checkbox"/>