

Xcalibur Global

Version 1.2

Installation Guide

Document Version 3.0



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Chapter 1 Preface

This chapter provides general information about the document.

Intended Audience

This document is targeted at the following professionals:

- Xtreme Certified Administrators
- Thin-client experts
- IT managers with adequate knowledge of Microsoft Active Directory architecture

Caution	Only professionals with MCSA 2003 or equivalent knowledge should attempt to implement the instructions in this document.
Important	It is recommended that this entire document be read prior to installing Xcalibur Global.

Scope

This document applies to the following product:

Xcalibur Global version 1.2

Objectives

This document enables the reader to perform all necessary procedures required for successfully installing **Xcalibur Global** and any supplemental software packages.

Reference Materials

Xcalibur Global Quick Configuration Guide (Ref# DG023U). How to Setup NFS for Xcalibur Global (Ref# DL121H).

Document Features

Conventions

Bold formatting is used to indicate a product name, required selection or screen text entries.

Notes

Caution	Text marked Caution contains warnings about possible loss of data.
Important	Text marked Important contains information that is essential to completing a task.

Note Text marked Note contains supplemental information.

Chapter 1 - Preface





Chapter Overview

The document is divided into the following chapters:

- Chapter 1 Preface provides general information about the document.
- Chapter 2 Software Overview provides a brief introduction to Xcalibur Global.
- Chapter 3 System Requirements describes the operating system and software requirements for the various Xcalibur Global components.
- Chapter 4 Installation Check List presents a check list of all installation and pre-installation tasks. This check list is intended as a road map to guide the user through the entire installation process.
- Chapter 5 Pre-Installation Tasks describes all pre-installation tasks that must be performed prior to installing Xcalibur Global.
- Chapter 6 Installation Prerequisites describes all prerequisites that must be adhered to prior to installing Xcalibur Global.
- Chapter 7 Software Installation describes the process for installing Xcalibur Global.



Chapter 2 Software Overview

This chapter provides a brief introduction to **Xcalibur Global**.

Introduction

Chip PC **Xcalibur Global** is a policy-based enterprise management software designed for thin-client management in large-scale environments.

Xcalibur Global is based on Microsoft Windows 2003/2008 Active Directory infrastructure, which facilitates fast and efficient administration for all connected resources.

Software Components

Xcalibur Global is based on the installation components listed below.

System Components

The system components constitute the core of **Xcalibur Global** and include the following:

- Database Server
- Front End Server
- Management Console

Software Packages

Various software packages exist that can be loaded into the **Xcalibur Global** database.

- Firmware packages add thin client firmware files to the **Xcalibur Global** database that include:
 - Firmware upgrades
 - Recovery files
 - System Restore files

Plug-In packages add special server and client plug-in files to the Xcalibur Global database that include, amongst others:

- ICA Client
- RDP Client
- Internet Explorer
- Domain Authentication Client
- Domain Authentication Server

Policy Templates

A set of policy template files are preconfigured to help the user easily create Xcalibur Policies for the performance of common management tasks.



License Components

Various license components are required for **Xcalibur Global** operation:

- Basic functionality of **Xcalibur Global** requires the following licenses:
 - Xcalibur Global Server License
 - Xcalibur Global Client License
- The following plug-in packages also require special licenses:
 - Domain Authentication Server License
 - Domain Authentication Client License
 - Customized System Screen Client License
 - Pericom Client License
 - VNC Client License
 - Other





Chapter 3 System Requirements

This chapter describes the operating system and software requirements for the various components of **Xcalibur Global**.

- **Note** The system components can all be installed on a single machine or each component can be installed on a separate machine.
- **Note** The following specifications refer to an English operating system and database versions.

Database Server Component Requirements

Operating Systems

The database server component can be installed on any of the following operating systems:

- Microsoft Windows XP Professional with Service Pack 3
- Microsoft Windows 7 Professional
- Microsoft Windows Server 2003 (Standard or Enterprise Edition) with Service Pack 2
- Microsoft Windows Server 2003 R2 (Standard or Enterprise Edition)
- Microsoft Windows Server 2008 (Standard or Enterprise Edition)
- Microsoft Windows Server 2008 R2 (Standard or Enterprise Edition)

Database Software

The database server component requires one of the following database applications:

- Microsoft SQL Server 2005 Express, Standard or Enterprise edition
- Microsoft SQL Server 2008 Express, Standard or Enterprise edition

Storage Requirements

- Installation 500Mb of free disk space is required for the initial installation.
- Database growth database growth depends on the number of clients and the level of administration. It should be assumed that each thin client requires approximately 150Kbytes of database space per-day.

Important Due to their scalability and performance limitations, the Express editions of the database software should not be used in environments where the number of thin clients is expected to grow beyond 250 devices.



Front End Server Component Requirements

Operating Systems

The Front End server component can be installed on any of the following operating systems:

- Microsoft Windows XP Professional with Service Pack 3
- Microsoft Windows 7 Professional
- Microsoft Windows Server 2003 (Standard or Enterprise Edition) with Service Pack 2
- Microsoft Windows Server 2003 R2 (Standard or Enterprise Edition)
- Microsoft Windows Server 2008 (Standard or Enterprise Edition)
- Microsoft Windows Server 2008 R2 (Standard or Enterprise Edition)

Storage Requirements

■ Installation - 500Mb of free disk space is required for the initial installation

Management Console Component Requirements

Operating Systems

The Management Console component can be installed on any of the following operating systems:

- Microsoft Windows XP Professional with Service Pack 3
- Microsoft Windows 7 Professional
- Microsoft Windows Server 2003 (Standard or Enterprise Edition) with Service Pack 2
- Microsoft Windows Server 2003 R2 (Standard or Enterprise Edition)
- Microsoft Windows Server 2008 (Standard or Enterprise Edition)
- Microsoft Windows Server 2008 R2 (Standard or Enterprise Edition)

Storage Requirements

- Installation 50Mb of free disk space is required for the initial installation.
- **Note** The system components can all be installed on a single machine or each component can be installed on separate machines.



Chapter 4 Installation Check List

This chapter provides a check list of all installation and pre-installation tasks. The check list is intended as a road map to guide the user through the entire installation process.

Pre-Installation Tasks

- 1) Create the **Xcalibur Global** OU (optional).
- 2) Create and configure the Xcalibur Global administration group.
- 3) Create and configure the Xcalibur Global Administrative user account.
- 4) Create and configure the Xcalibur Global Default User account.
- 5) Create and configure the **Xcalibur Global** Front End Server service account.
- 6) Install and configure NFS (optional).

Installation Prerequisites

- 1) Verify system requirements are met.
- 2) Verify domain membership for the servers.
- 3) Verify that the installing user has Windows local administrative rights.
- 4) Verify that the installing user has SQL Administration/DB Ownership rights.
- 5) Verify that the installing user has Active Directory permissions.
- 6) Disable UAC (Windows 2008/7 only).

Software Installation

- 1) Install the database component.
 - a) Install software packages (optional).
 - b) Install policy templates (optional).
- 2) Install the Front End Server component.
- 3) Install the Management Console component.

Chapter 4 - Installation Check List



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Chapter 5 **Pre-Installation Tasks**

This chapter describes all pre-installation tasks that must be performed prior to installing **Xcalibur Global**.

Introduction

The following pre-installation tasks must be performed prior to installing **Xcalibur Global**:

- 1) Create the Xcalibur Global OU (optional).
- 2) Create and configure the Xcalibur Default user account.
- 3) Create and configure the Xcalibur Global administration group.
 - a) Stage 1 Create group.
 - b) Stage 2 Assign permissions to group.
- 4) Create and configure the Xcalibur Global Administrative user account.
 - a) Stage 1 Create the user.
 - b) Stage 2 Assign permissions to the user.
- 5) Create and configure the Xcalibur Front End Server service account.
 - a) Stage 1- Create the account.
 - b) Stage 2 Assign permissions to the account.
 - i) Add the account to domain groups.
 - ii) Add the account to local groups.
- 6) Install and configure NFS on Front End Servers. Installing NFS is optional and is only required if Linux based clients will use NFS for XG package deployment. The procedure is detailed in external document: *How to Setup NFS for Xcalibur Global (Ref# DL121H).*

Important The procedures described in the following sections allow the user to name objects according to his/her criteria. However, for improved support and documentation purposes, it is strongly recommended that the names used in this document are adopted and applied in the installed environment.



Creating an Xcalibur Global OU

The **Xcalibur Global** OU is used as a container for all **Xcalibur Global** related objects.

Although the creation of an **Xcalibur Global** OU is optional, it is recommended to create a dedicated **Xcalibur Global** OU. Otherwise, a non-dedicated OU can be used for this purpose.

Proceed as follows to create the dedicated Xcalibur Global OU:

 From the Start button locate the Administrative Tools and select Active Directory Users and Computers to display the Active Directory Users and Computers window, as illustrated.



2) In the **Active Directory Users and Computers** window, select the pertinent domain in the left pane then right click to display the right-click menu, as illustrated.

⇒ €		чк 😤	包證後	746		
Active Di	irectory Users and Computer	net8.qa	a8 6 object	s	14	
Save	d Queries	Name		Туре	Description	
	Delegate Control Find Connect to Domain Connect to Domain Controller. Qonnect to Domain Controller. Qoperations Masters		n Juters Jin Cont gnSecur ester	builtinDomain Container Organizational Container Organizational Container	Default container for upgr Default container for dom Default container for secu Default container for upgr	
	New	2	Comput	er		
	Mir ras⊵s Vjew New <u>W</u> indow from Here	,	Group InetOrg MSMQ Q	Person Queue Alias		
	Refresh Export List		Organiz Printer	ational Unit		
	Properties		User	Folder		

Chapter 5 - Pre-Installation Tasks



3) From the right click menu select **New, Organizational Unit** to display the **New Object – Organizational Unit** window, as illustrated.

New Object	- Organizal	ional Unit		×
3	Create in:	net8.qa8/		
N <u>a</u> me:				
Xcalibur (Global			
			OK	Cancel

- 4) In the Name field enter Xcalibur Global for the name of the new OU.
- 5) Click **OK** to continue. The new OU **Xcalibur Global** is now added to the selected domain.

Chapter 5 - Pre-Installation Tasks



Creating an Xcalibur Global Default User Account

The **Xcalibur Global** default user account is created for the purpose of supplying default credentials during the **Xcalibur Global** user authentication process.

Proceed as follows to create a default user account:

1) In the **Active Directory Users and Computers** window, select and expand the pertinent domain in the left pane.



 Select and highlight the previously-created OU Xcalibur Global, then from the right-click menu select New, User to display the New Object – User window, as illustrated

First name:	loitiale.
Last name:	p process.
Eull name:	
r un ngine.	1
<u>U</u> ser logon name F	(
User logon name) (pre- <u>W</u> indows 2000):



3) In the New Object - User window complete the following fields:

defaultuser

User logon name defaultuser

First Name

Password

4) Click **Next** to save your changes and proceed to the next window.

Create in: r	net8.qa8/Xcalibur Globał	
Password:		_
Confirm password:		_
🔽 User must change pa	assword at next logon	
User cannot change	password	
Pass <u>w</u> ord never expi	res	
Account is disabled		

 In the New Object – User window, as illustrated, complete the following fields:

Enter a valid password

Confirm password Enter the password again for confirmation

Check the option Password never expires.

All other options must remain unchecked.

6) Click **Next** to save your changes and proceed to the next window.



7) The **New Object - User** window, as illustrated, lists the object that will be created.



If changes are required click **Back** to locate the specific window, enter the required changes then click the **Next** button to return to this window.

- 8) Click **Finish** to create the listed object and return to the **Active Directory Users and Computers** window.
- 9) Proceed to the next section, **Creating and Configuring an Xcalibur Global Administration Group**.

Creating and Configuring an Xcalibur Global Administration Group

An **Xcalibur Global** administration group is created for the purpose of assigning permissions to **Xcalibur Global** administrative users. Any user configured as a member of this group will have permissions to perform thin-client management tasks, such as:

- Add/remove thin clients to the system
- Create, link and unlink Xcalibur policies

This group is created in two stages. The first stage involves creating the actual group and the second stage involves assigning permissions to the group.



Stage 1 – Creating the Xcalibur Global Admin Group

Proceed as follows to create the **Xcalibur Global** administration group within the **Xcalibur Global** OU:

 In the Active Directory Users and Computers window, select and expand the pertinent domain in the left pane. Right click on the OU Xcalibur Global to display the right-click menu, as illustrated.



2) From the right-click menu select **New, Group** to display the **New Object – Group** window, as illustrated.

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ity		
oution		
	rpe irity ibution	rpe irity ibution



3) In the **New Object - Group** window complete the following fields:

Group name	Enter Xcalibur Admins.
Group name (pre-Windows 2000)	Completed automatically according to the text entered in the Group name field.
Group scope	Select Global.

Group type

Select Security.

4) Click **OK** to save your changes. A new group with the name **Xcalibur Admins** is added to the **Xcalubur Global** OU and displayed in the right pane, as illustrated.



5) Proceed to the next stage, **Assigning Permissions to the Xcalibur Global Admins Group**.



Stage 2 – Assigning Permissions to the Xcalibur Global Admins Group

The following permissions must be assigned to the **Xcalibur Admins** group via the **Delegation of Control Wizard**:

- Generate Resultant Set of Policy (Planning)
- Generate Resultant Set of Policy (Logging)
- Read gPLink
- Write gPLink
- Read gPOptions
- Write gPOptions
- Create computer objects
- Delete computer objects

Important It is recommended to execute the Delegation of Control Wizard on the domain container. However, it is also possible to execute the wizard on the Xcalibur Global OU, in which case it is important to verify that all Xcalibur Global related objects (both present and future) are contained in this OU.

Proceed as follows to delegate permissions to the **Xcalibur Admins** group via the **Delegation of Control Wizard**:

 In the Active Directory Users and Computers window, select the pertinent domain in the left pane then right click to display the right-click menu, as illustrated.





2) From the right click menu select **Delegate Control...** to run the **Delegation of Control Wizard**, as illustrated.



3) In the **Welcome to the Delegation of Control Wizard** window click **Next** to continue and display the **Users or Groups** window, as illustrated.

sers or Groups	
Select one or more users or (groups to whom you want to delegate control.
Selected users and groups:	
	X.
	Add Damage
	<u>A</u> dd
	Add Bemove
	Add <u>R</u> emove

4) In the Users or Groups window, click Add... to display the Select Users, Computers, or Groups window, as illustrated.

elect this object type:	
Users, Groups, or Built-in security princip	pals <u>O</u> bject Types.
rom this location:	
net8.qa8	Locations
nter the object names to select (<u>examp</u>	les):
	Check Name

Chapter 5 - Pre-Installation Tasks Xcalibur Global - Installation Guide



- 5) In the Select Users, Computers, or Groups window, in the Enter the object names to select field, enter Xcalibur Admins then click Check Names to verify the group name; a valid name is underlined automatically
- 6) Click **OK** to save your entry and return to the **Users or Groups** window the entered group name is displayed, as illustrated.



7) In the **Users or Groups** window, click **Next** to continue and display the **Tasks to Delegate** window.

asks to Delegate You can select common tasks or cust	omize your own.	E
© Delegate the following common ta:	sks:	
Create, delete, and manage Reset user passwords and fo Read all user information Modify the membership of a g Join a computer to the doma Manage Group Policy links Generate Resultant Set of P Generate Resultant Set of P	user accounts orce password change at next logor group in olicy (Planning) olicy (Logging)	
Create a custom task to delegate		
	R	
	/ Pack Nout X	Can



8) In the Tasks to Delegate window, as illustrated, select the option Create a custom task to delegate then click Next to continue and display the Active Directory Object Type window.



- In the Active Directory Object Type window, as illustrated, select the option This folder, existing objects in this folder, and creation of new objects in this folder.
- 10) Click Next to continue and display the Permissions window.
- 11) In the **Permissions** window, as illustrated, check the following permission options:
 - a) General
 - b) Property-specific
 - c) Creation/deletion of specific child objects

Permissions Select the permissions you want to delegate,	13
Show these nermissions:	
Property-specific	
Creation/deletion of specific child objects	
Permissions: N	
Full Control	
Read Read	
Write	
Create All Child Objects	
Delete All Child Objects	
Read All Properties	-



- 12) In the **Permissions** scroll box, use the scroll bar to scroll through the list and check the following permissions:
 - a) Generate Resultant Set of Policy (Planning)
 - b) Generate Resultant Set of Policy (Logging)
 - c) Read gPLink
 - d) Write gPLink
 - e) Read gPOptions
 - f) Write gPOptions
 - g) Create Computer objects
 - h) Delete Computer objects
- 13) Click **Next** to display the **Completing the Delegation of Control Wizard** window.



14) The **Completing the Delegation of Control Wizard** window, as illustrated, advises you that you have successfully completed the **Delegation of Control** wizard.

A list of all selected options is displayed - use the scroll bar to review the list. If changes are required click **Back** to locate the specific window, enter the required changes then click the **Next** button to return to this window.

- 15) Click **Finish** to complete and exit the wizard.
- 16) Proceed to the next stage, **Creating and Configuring an Xcalibur Global** Administrative User Account.





Creating and Configuring an Xcalibur Global Administrative User Account

The **Xcalibur Global** administrative user account is created for the purpose of performing the highest level administration tasks.

Stage 1- Creating an Xcalibur Global Administrative User Account

Create a new user account in the Xcalibur Global OU.

Use the following alternative definitions while repeating the procedure described in the section **Creating an Xcalibur Global Default User Account**:

First Name	Xcalibur Administrator
User logon name	xcaliburadministrator
Password	Enter a valid password.
Confirm password	Enter the password again for confirmation.

All other options must remain unchecked

Stage 2 - Assigning Permissions to Xcalibur Global Administrative users

Management permissions are assigned to **Xcalibur Global** Administrative users by adding the user account to the following groups:

- Xcalibur Admins
- Group Policy Creator Owners



Proceed as follows to assign management permissions to **Xcalibur Global** administrative users:

Adding the User to the Xcalibur Admins Group

 In the Active Directory Users and Computers window, under the pertinent domain in the left pane, select and highlight the previously-created OU Xcalibur Global to display all contained objects in the right pane, as illustrated.



 In the right pane select Xcalibur Administrator. From the right-click menu select Add to a group... as illustrated, to display the Select Group window.





3) In the **Select Group** window, as illustrated, in the **Enter the object name to select** field, enter **Xcalibur Admins** then click **Check Names** to verify the group name; a valid name is underlined automatically.



- 4) Click **OK** to save your entry and return to the **Active Directory Users and Computers** window.
- 5) An **Active Directory** information message displays, as illustrated, advising you that the **Add to Group** operation was successfully completed.



6) Click **OK** in the **Active Directory** information message window to continue.

Adding the User to the Group Policy Creator Owners Group

- 1) In the Active Directory Users and Computers window, in the right pane select and highlight Xcalibur Administrator.
- 2) From the right-click menu select **Add to a group...** to display the **Select Group** window.
- In the Enter the object name to select field, enter Group Policy Creator Owners then click Check Names to verify the object name; a valid name is underlined automatically.



- 4) Click **OK** to save your entry and return to the **Active Directory Users and Computers** window.
- 5) An **Active Windows** information message displays, advising you that the **Add to Group** operation was successfully completed.

Verifying the User's Group Membership

- 1) To verify that the administrative user **Xcalibur Administrator** is a member of all the required groups, in the **Active Directory Users and Computers** window, in the right pane select and highlight **Xcalibur Administrator**.
- From the right-click menu select Properties to display the Xcalibur Administrator Properties window, as illustrated, then click the Member Of tab to display the Member Of page.

eneral Address A Member Of D	ccount Profile Telephones Organizatio
eneral Address A Member Of D	ccount Profile Lelephones Urganizatio
Member Of D	ASCALL AND
	ial-in Environment Sessions
6	
jemper or:	
Name	Active Directory Folder
Domain Users	net8.qa8/Users
Group Policy Creator Uv	vners net8.ga8/Users
Acalibur Admins	Net8.ga8/%calibur Giobai
	45
	6). -
	43
41	
1/5	
Add Rem	iove
rimara group: Doma	ain Users
minally groups	11 0 0010
Set Primary Group	There is no need to change Primary group unles
	you have Macintosh clients or PUSIX-compliant
	applications.

- 3) Verify that the following groups are listed:
 - a) Domain Users
 - b) Group Policy Creator Owners
 - c) Xcalibur Admins
- 4) Click **OK** to exit the **Xcalibur Administrator Properties** window.
- 5) Proceed to the next section, **Creating and Configuring an Xcalibur Global Front End Server Service Account**.



Creating and Configuring an Xcalibur Global Front End Server Service Account

The **Xcalibur Global** Front End Server service account is required by the Front End Server service in order to log on as a service.

Stage 1- Create an Xcalibur Global Service Account

Create a new user account in the Xcalibur Global OU.

Use the following alternative definitions while repeating the procedure described in the section **Creating an Xcalibur Global Default User Account**:

First Name	xcaliburservice
User logon name	xcaliburservice
Password	Enter a valid password.
Confirm password	Enter the password again for confirmation.

Select the option User cannot change password.

Select the option Password never expires.

All other options must remain unchecked.

Proceed to the next stage, **Assigning Permissions for the Xcalibur Global Service Account**.

Stage 2 - Assigning Permissions for the Xcalibur Global Service Account

The **Xcalibur Global** service account is assigned permissions by adding it as a member to the following groups:

- Local Administrators on the Front End Server computer (required)
- Domain Users (required)
- Xcalibur Admins (highly recommended)
- Domain Admins (recommended)



Adding the Xcalibur Global Service Account to Domain Groups

 In the Active Directory Users and Computers window, select and highlight the previously-created OU Xcalibur Global in the left pane to display all attached objects in the right pane.



 In the right pane, select and highlight the user xcaliburservice then from the right-click menu select Properties to display the xcaliburservice Properties window.





3) In the **xcaliburservice Properties** window, click the **Member Of** tab to display the **Member Of** window, as illustrated.

eneral Addr Member Of D	ess Account Profile Telephones Organiza
member of	Diamit Environment Jession
Name	Active Directory Folder
omain Users	net8.qa8/Users
Add	Remove
Add	Bemove
Add	Remove Domain Users
Agd maty group:	Bemove Domain Users
Add	Domain Users Toup Journal Sers There is no need to change Primary group uni you have Macintosh clients or POSIX-complia applications.
Add	Domain Users Toup you have Macintosh clients or POSIX-complia applications.

4) Click Add... to display the Select Group window, as illustrated.

Object Types
Locations
*
Check Names

5) In the Enter the object name to select field enter Xcalibur Admins then click Check Names to verify the group name; a valid name is underlined automatically.



6) Click **OK** to save your entry and return to the **Member Of** page.

The new group name, **Xcalibur Admins**, is listed as a member in the **Member Of** page, as illustrated.

Remote control	Terminal Services Profile COM+
eneral Address	Account Profile Telephones Organizat
Member Of	Dial-in Environment Sessions
1	erani ermennen counte
<u>1</u> ember of:	
Name	Active Directory Folder
Domain Admins	net8.ga8/Users
Domain Users	net8.qa8/Users
Xcalibur Admins	net8.ga8/Xcalibur Global
	\searrow
	k
	<u>R</u> emove
Add	Remove Domain Users
Add	Remove Domain Users Users Users Domain Users
Add Yrimary group: 1 Set Primary Group	Bemove Domain Users There is no need to change Primary group unle you have Macintosh clients or POSIX-compliar applications.

- 7) Click Add... to display the Select Group window.
- In the Enter the object name to select field, enter Domain Admins then click Check Names to verify the group name; a valid name is underlined automatically.
- 9) Click **OK** to save your entry and return to the **Member Of** page.
- 10) The new group name, **Domain Admins**, is listed as a member in the **Member Of** page, as illustrated.
- 11) Click **OK** to save your changes and exit the **xcaliburservice Properties** window.

Chapter 5 - Pre-Installation Tasks



Adding the Xcalibur Global Service Account to Local Computer Groups

Perform the following task on the computer that will host the Front End Server:

 From the Start button locate the Administrative Tools and select Computer Management to display the Computer Management window, as illustrated.

🔜 Computer Management		_ 🗆 🗵
Eile Action View Window H	elp	_ 뭔 쯔
Computer Management (Local)	Name	
System Tools System Tools Shared Folders Shared Folders Cool Users and Groups Performance Logs and Alert: Device Manager Storage Storage Storage Disk Defragmenter Disk Management Services and Applications	System Tools Storage Services and Applications	
<u>•</u>	*1	

2) In the **Computer Management** window, in the left pane, expand **System Tools** then select and highlight **Local Users and Groups**, as illustrated.







- 3) In the right pane, double-click Groups to display a list of group names.
- In the right pane select and highlight the group name Administrators and from the right-click menu select Properties, as illustrated, to display the Administrators Properties window.



5) In the Administrators Properties window, as illustrated, click Add... to display the Select Users, Computers, or Groups window, as illustrated.

Administrators P	roperties			? ×
General				
🧟 Admi	nistrators			
	Processional Contractor	N		
Description:	mplete and	uivestricted a	ccess to the co	imputer/domain
Members:	tor			
IPSec.	.01			
MET8\Dor	main Admins			
Add	Remove	ſ		
		OK	Cancel	Apply



6) In the Select Users, Computers, or Groups window, in the Enter the object names to select field, enter xcaliburservice then click Check Names to verify the group name; a valid name is underlined automatically.

Jsers or Groups	Dbject Types
rom this location:	
iet8.qa8	Locations
nter the object names to select (<u>example</u>	<u>is)</u> ;
	Eheck Name

7) Click **OK** to save your entry and return to the **Administrators Properties** window.

In the **Administrators Properties** window, the entered group name is added to the list in the section **Members**, as illustrated.

🛃 Adn	ninistrators
) <u>e</u> scription:	mplete and unrestricted access to the computer/doma
	omain Admins
NET8\xc	aliburservice (xcaliburservice@net8.qa8)
Add.	aliburservice (xcaliburservice@net8.qa8)

- 8) Click **OK** to save your changes and exit the **Administrators Properties** window.
- 9) In the **Computer Management** window, select **File**, **Exit** to close the window.
- 10) Proceed to the next chapter, Installation Prerequisites.



Chapter 6 Installation Prerequisites

This chapter describes all prerequisites that must be adhered to prior to installing **Xcalibur Global**.

Introduction

The following prerequisites must be adhered to prior to installing **Xcalibur Global**:

- 1) Verify that all system requirements are met.
- 2) Verify that the installing user has Windows local administrative rights.
- 3) Verify that the installing user has SQL Administration/DB Ownership rights.
- 4) Verify that the installing user has Active Directory permissions.
- 5) Verify that the servers have domain membership.
- 6) Verify that UAC is disabled (Windows 2008/7 only).

Verifying System Requirements

Verify that the servers on which **Xcalibur Global** components are being installed comply with all system requirements specified in Chapter 3.

Verify Windows Local Administrative Rights

Verify that the user account used to perform the installation has local administrative privileges on the computer destined to host the **Xcalibur Global** components.

Administrative privileges are required to run Windows Installer packages.

Verify SQL Administration/DB Ownership Rights

The Xcalibur Global database component provides two installation options:

- Create a new database
- Use an existing database

The user account used to perform the installation option must have one of the following permissions:

- Create new database requires the user to have SQL Administration rights
- Use an existing database requires the user to have DB Owner rights on the particular database

Verify Active Directory Permissions

Verify that the user account used to perform the installation option has at least Read permission at the domain level.

It is recommended to run the installation with a user account that is a member of the Domain Admins group.



Verifying Server Domain Membership

Verification needs to be made that the computer (or computers) used to run **Xcalibur Global** components are members of the domain in which the pre-installation tasks were performed. Verification can be performed using either of the following methods:

- Domain-side verification
- Computer-side verification

Domain-Side Verification

Proceed as follows to verify domain membership on the domain side:

 In the Active Directory Users and Computers window, select and highlight the pertinent domain in the left pane, and from the right-click menu select Find, as illustrated, to display the Find Users, Contacts, and Groups window.

line to the sector of the sect	uters			
G Eile Action View Window Hel	lp			그라쓰
			1	
Active Directory Users and Computer	net8.qa8	7 objects		
E Saved Queries	Name /		Туре	Description
Image: Second	iler svel }	ters n Controllers nSecurityPrincipals ster r Global	builtinDomain Container Organizational Container Organizational Organizational	Default container for upgr Default container for dom Default container for sec. Default container for upgr
Find objects in the directory.				

Chapter 6 - Installation Prerequisites



2) In the **Find Users, Contacts, and Groups** window, as illustrated, in the **Find** dropdown box select **Computers**.

Find Computers			
Tie Fair Aless Tielb			
Fin <u>d</u> : Computers	💌 I <u>n</u> : 🗊 net8	-	Browse
Computers Advance	d		
Computer n <u>a</u> me:	msde		Find Now
Owner:			Stop
Role:	- 1 0 0 2	_	<u>C</u> lear All
Torot	АПУ		
Search results:			
Name	Machine Role	Owner	
	Workstation or Server		

- 3) In the In dropdown box select the pertinent domain.
- 4) Click the **Computers** tab and in the **Computer name** text box enter the computer name required to run **Xcalibur Global** components.
- 5) In the **Search results** section, verify that the selected computer name required to run **Xcalibur Global** components is listed for the selected domain.



Computer-Side Verification

Proceed as follows to verify domain membership on the computer side:

1) From the desktop select **My Computer** then from the right-click menu select **Properties** to display the **System Properties** window, as illustrated.

Advanced	Automatic Updates Remote
General	Computer Name Hardware
Windows use on the netwo	es the following information to identify your computer rk.
Computer description:	1
	For example: "IIS Production Server" or "Accounting Server".
ull computer name:	MSDENET8.net8.ga8
) omain:	net8.ga8

- 2) In the **System Properties** window click the **Computer Name** tab to display the **Computer Name** window, as illustrated.
- 3) Verify that the **Domain** field displays the correct domain.
- 4) Click OK to exit the System Properties window.
- 5) Proceed to the next chapter, **Installing Xcalibur Global**.

Verify that UAC is disabled

Verify that UAC is disabled during the Xcalibur Global installation process.

To disable UAC apply the following Group Policy:

Computer Configuration \ Policies \ Windows Settings \ Security Settings \ Local Policies \ Security Options \ User Account Control: Run all administrators in Admin Approval Mode

Policy setting: Disabled



Chapter 7 Installing Xcalibur Global

This chapter describes the process for installing **Xcalibur Global**, including how to install the **Xcalibur Global** Database, the Front End Server and the Management Console.

Introduction

After performing all pre-installation tasks and complying with all the installation prerequisites, the user can now proceed to install **Xcalibur Global**.

As previously mentioned, the core of the **Xcalibur Global** consists of the following system components:

- The Database Server
- The Front End Server
- The Management Console

The following rules apply when installing system components:

- The components can be all installed on the same computer or on separate computers.
- The Database Server must be installed before any other component.
- Only one Database Server can be installed in an **Xcalibur Global** system.
- Multiple installations of Front End Servers and Management Consoles are allowed within a single Xcalibur Global system.



Installing the Database

To run the Xcalibur Global installation process, proceed as follows:

 From the installation media, run the MSI file Xcalibur Global (1.2) Database Full, to display the Welcome window, as illustrated, advising you that the Xcalibur Global 1.2 Database Setup is installing the database.



2) Click **Next** to continue to the next window and display the **License Agreement** window.

At any time during the installation process:

- Click Cancel to abort the installation
- Click Back to return to a previous window and make any necessary changes
- 3) Read the **Chip PC Software License Agreement** in the **License Agreement** window and select an option before proceeding with the database installation.









- I accept the terms in the license agreement select this option to accept the terms and conditions for using the Chip PC Software and product
- I do not accept the terms in the license agreement select this option if you do not accept the terms and conditions for using the Chip PC Software and product. When you click Next to continue, the installation process is aborted.
- Print click to display the Print window to print a full copy of the license agreement.
- 4) Click **Next** to continue with the database installation and display the **Database Server** window, as illustrated.

Xcalibur Global (1.:) Database Fu	ill - InstallShield	Wizard	×
Database Server				N/
Select Database Ser	/er			A
Specify the database server's name in the l server's name from a Database Server:	server where Xc)atabase Server list. Then specif	alibur Global (1.2) [selection box. Pres y how to authentic.	Database will be instal s the Browse button t ate in front of the sele	led by typing the to retrieve the ected server.
[]			•	Browse
Connect using:				νζ
• Windows authe	ntication using th	ne credentials of the	e current User	
C Server authent	ication using the	Login ID and passw	vord below	
Login ID:	sa			
Login ID; <u>P</u> assword:	sa]
Login ID; Password: stallShield	sa]

5) Click **Browse...** to display a list of servers in the **Browse** window.

QL2005\FUL QL2005\SQ	LLSQL LEXPRESS		
IENTER\SQ	LEXP_VIM		

 In the Browse window select the destination server then click OK to save the selection and exit the window. The selected server is added to the Database Server selection box.



- 8) If the server name is not listed in the **Browse** window, enter the server name manually in the **Destination Server** selection box.
- 9) In the **Database Server** window select one of the following options:
 - Windows authentication using the credentials of the current user Or
 - Server authentication using the Login ID and password below
 - **Login ID** Enter the applicable SQL login ID (sa) for the selected server
 - Password Enter the applicable password for the selected server
- 10) Click **Next** to continue with the database installation process and display the **Database Selection** window, as illustrated.

atabase selection	
Create \ Select Database	
Specify the database name w database, select the Create n Database name field. To use a option and press Browse to se	here Xcalibur Global data will be stored. To create a new new database option and type the database name in the an existing database, choose the Select existing database elect your database name from the database list.
Create new database	
C Select existing database	
C Select existing database	
C Select existing database atabase name: db_f55260b2	Browse
C Select existing database eatabase name: db f55260b2	Browse

11) In the Database Selection window, select one of the following options:

- Create new database this option is selected by default and a database name is automatically entered in the Database name text box. (If preferred, enter a different name directly into the text box.)
- Select existing database click Browse to display a list of databases in the Browse window and select the desired database.
- **Note** If the database name is not listed in the **Browse** window, enter the database name manually in the **Database name** text box.
- 12) Click **Next** to continue with the database installation process and display the **Xcalibur Global 1.2 Service Account Information** window.



The **Xcalibur Global 1.2 Service Account Information** window, as illustrated, enables you to specify the authentication method and the credentials that will be required from the **Front End Server** service when accessing the **Xcalibur Global** database.

Please specify the Authenticatio Global (1.2) Front End Server se	n Type and the Credentials that the Xcalibur rvice will use when accessing this database.	X
Windows Authentication		
Nam <u>e</u> :		Add D
		Delete
		Dejete All
SOL Server Authentication	Password:	
	- I and a second	
Name:	Confirm Password:	

- 13) In the **Xcalibur 1.2 Service Account Information** window, select **one** of the following authentication methods:
 - Windows Authentication
 - SQL Server Authentication
 - a) Windows Authentication
 - i) Click **Add** to display the **Select Users or Groups** window, as illustrated.

Users or Groups	Object Types.
rom this location:	
net8.qa8	Locations
nter the object names to select (<u>examples)</u> :	La
	Check Names
	8

- ii) In the Select Users or Groups window, in the Enter the object names to select field, enter xcaliburservice then click Check Names to verify the object name; a valid name is underlined automatically.
- iii) Click OK to save your entry and return to the Xcalibur Global 1.2 Service Account Information window; the entered object name is listed in the Windows Authentication pane, as illustrated.



Xcalibur Global (1.2) Database Fi	ull - InstallShield Wizard	X
Xcalibur Global (1.2) Service Accor Please specify the Authentication Ty Global (1.2) Front End Server service	punt Information pe and the Credentials that the Xcalibur e will use when accessing this database.	
<u>Windows Authentication</u>		
Name: NET8\XcaliburService	×	Add
		Delete
		Delete All
		l
C SQL Server Authentication	Password:	
Name:	Confirm Password:	
stallShield		
	< Back Next > N	Cancel

b) SQL Server Authentication

Complete the following credential fields:

Name	Enter the name of the SQL user (sa)
Password	Enter the password for the SQL user name
Confirm Password	Enter the password again to confirm the password for the SQL user

13) Click **Next** to continue with the database installation process and display the **Xcalibur Global 1.2 Management Account Information** window, as illustrated.

The **Xcalibur Global 1.2 Management Account Information** window, as illustrated, enables you to specify the authentication method and the credentials that will be required when attempting to connect to the database via the **Xcalibur Global Management Console**.

Xcalibur Global (1.2) Manag Please specify the Authentic, that will be connecting to this	gement Account Information ation Type and the Credentials of the user/group s database through the management console.
Windows Authentication	
Nam <u>e</u> :	Add Delete Delete All
C SQL Server Authentication	Password: Confirm Password:
tallShield	< Back Next > Cancel



14) In the **Xcalibur Global 1.2 Management Service Account Information** window select **one** of the following authentication methods:

- Windows Authentication
- SQL Server Authentication
- a) Windows Authentication
 - i) Click **Add** to display the **Select Users or Groups** window, as illustrated.

elect this object type:	
Jsers or Groups	<u>O</u> bject Types.
rom this location:	
net8.qa8	Locations
nter the object names to select (<u>examples</u>):	R
	Check Name

- ii) In the Select Users or Groups window, in the Enter the object names to select field, enter Xcalibur Admins then click Check Names to verify the object name; a valid name is underlined automatically.
- iii) Click OK to save your entry and return to the Xcalibur Global 1.2 Management Account Information window; the entered object name is listed in the Windows Authentication pane.

Ccalibur Global (1.2) Manageme	nt Account Information	V
Please specify the Authentication T that will be connecting to this data	ype and the Credentials of the user/group base through the management console.	
<u>Wi</u> ndows Authentication Name: NET8\XcaliburAdmins		<u>A</u> dd
		<u>D</u> elete
2	D	eļete All
SQL Server Authentication	Password:	
Na <u>m</u> e:	Confirm Password:	
allchield		

b) SQL Server Authentication

Complete the following credential fields:

Name	Enter the name of the SQL user (sa)
Password	Enter the password for the SQL user name
Confirm Password	Enter the password again to confirm the password for the SQL user

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15) Click **Next** to continue with the database installation process and display the **Software Packages Installation** window, as illustrated.

🐺 Xcalibur Global (1.2) Database Full - InstallShield Wiza	rd 🛛 🔀
Software Packages Installation	X
Select whether to automatically install software packages into the Repository. If you skip this part you can later install packages by Installation Wizard from the Xcalibur Farm Manager \ Software Re	e Xcalibur Software running the Package epository,
$C\underline{\text{D}}\text{on't}$ install packages, I will install them later.	
Install packages from:	
E:\Plug-ins	Change
nstallShield	Next >: [Cancel]

16) In the **Software Packages Installation** window, select one of the following options:

- Don't install packages, I will install them later select this option if you want to skip package installation during setup.
- Install packages from select this option to install software packages into the Xcalibur Database during the installation process. As default all plug-ins files which are stored in the **Plug-ins** folder on the installation CD will be installed. To change the path from where Plug-ins are taken click **Change...** and select a different path.
- 17) Click **Next** to continue with the database installation process and display the **Import Policy Templates** window, as illustrated.

Import Policy Templates	e ruir- Instansmeld W	Azaru	X
Select whether to automatically imp this part you can later import policie	ort policy templates into I is from the Xcalibur Direct	the Xcalibur database ory Manager snap-in	e. If you skip
C Don't import templates, I will in	mport them later.		
• Import templates from:			
E:\Templates			Change
ß			
istallShield			
	< <u>B</u> ack	Next >	Cancel



- 18) In the **Import Policy Templates** window, select one of the following options:
 - Don't import templates, I will import them later select this option if you want to skip policy template installation during setup.
 - Install templates from select this option to install policy templates into the Xcalibur Database during the installation process. As default all policy templates which are stored in the **Templates** folder on the installation CD will be installed. To change the path from where policy templates are taken click **Change...** and select a different path.
- 19) Click **Next** to continue with the database installation process and display the **Ready to Install the Program** window, as illustrated.

Ready to Install the Program	e ruii - Instalishielu Wi	
The wizard is ready to begin inst	allation	
Click Install to begin the installati	ion.	
If you want to review or change exit the wizard.	any of your installation se	ettings, click Back. Click Cancel to
stallShield		
		E.

The **Ready to Install the Program** window advises you that the database is now ready to be installed.

Important If necessary, click **Back** now to make any last-minute changes to your selections. When the installation commences, you will be unable to stop the process until the installation is completed.

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20) Click Install to continue and install the Xcalibur Global 1.2 Database.

The installation process for the selected features may take several minutes to complete.

During the installation process, status is shown in the **Status** bar, as illustrated.



- 21) Upon completion, the **InstallShield Wizard Completed** window displays, as illustrated, informing you that the program has successfully installed the **Xcalibur Global 1.2 Database.**
- **Note** The name of the created database is displayed. It is recommended that a record of the database name be kept for future reference.



22) Click Finish to complete the process and exit the installation wizard.23) Proceed to the next step, Installing the Front End Server.



Installing the Front End Server

Proceed as follows to install the Front End Server component:

 From the installation media, run the MSI file Xcalibur Global (1.2) Front End Server, to display the Welcome window, as illustrated, advising you that the Xcalibur Global 1.2 Setup is preparing the setup process.



2) Click **Next** to continue to the next window and display the **License Agreement** window, as illustrated.

License Agreement Please read the following license ag	reement carefully.	
Chip PC Softw	are License Agree	ement 🔺
IMPORTANT - READ CAREFUL	LY BEFORE USING THIS P	RODUCT WHICH
INTELLECTUAL PROPERTY. U ACCEPTANCE OF THE FOLLO This License Agreement is a leg or a single entity) and the manuf	ISING THIS PRODUCT INDI ISING THIS PRODUCT INDI IWING TERMS AND CONDIT Ial agreement between you (e facturer (MANI IFACTURER)	HER CHIP PC CATES YOUR FIONS. wither an individual
INTELLECTUAL PROPERTY. U ACCEPTANCE OF THE FOLLO This License Agreement is a leg or a single entity) and the manuf	ISING THIS PRODUCT INDI USING THIS PRODUCT INDI WING TERMS AND CONDIT (al agreement between you (e facturer (MANUFACTURER) (reement	HER CHIP PC CATES YOUR FIONS. wither an individual of the product
INTELLECTUAL PROPERTY. U ACCEPTANCE OF THE FOLLO This License Agreement is a leg or a single entity) and the manuf I accept the terms in the license agr I go not accept the terms in the license the terms in the license agr	ISING THIS PRODUCT INDI ISING THIS PRODUCT INDI IWING TERMS AND CONDIT Ial agreement between you (e facturer (MANI IFACTURER) (reement) Inse agreement	HER CHIP PC CATES YOUR FIONS. wither an individual of the product
INTELLECTUAL PROPERTY. U ACCEPTANCE OF THE FOLLO This License Agreement is a leg or a single entity) and the manuf accept the terms in the license agr I go not accept the terms in the license agr I go not accept the terms in the license agr stallShield	ISING THIS PRODUCT INDI ISING THIS PRODUCT INDI WING TERMS AND CONDIT al agreement between you (e facturer (MANUFACTURER) (reement	HER CHIP PC CATES YOUR FIONS. wither an individual of the product

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- Read the Chip PC Software License Agreement in the License Agreement window and select an option before proceeding with the Front End Server installation.
 - I accept the terms in the license agreement select this option to accept the terms and conditions for using the Chip PC Software and product
 - I do not accept the terms in the license agreement select this option if you do not accept the terms and conditions for using the Chip PC Software and product. When you click Next to continue, the installation process is aborted.
 - Print click to display the Print window to print a full copy of the license agreement.
- 4) Click **Next** to continue with the **Front End Server** installation. When you select to accept the terms in the license agreement the process continues and the **Destination Folder** window displays.



In the **Destination Folder** window, as illustrated, the default path for the destination folder appears.

If preferred, click **Change...** to enter a different destination folder.

5) Click **Next** to continue with the **Front End Server** installation process and display the **Service Account Information** window.



6) The **Service Account Information** window, as illustrated, enables you to specify the domain user account used by the **Xcalibur Global 1.2** service.

	acion	
pecify a Domain User acco ervice.	ount that will be used by the Xcalibur G	lobal (1.2)
This account will be given Server, please ensure tha	Logon as a Service rights. When installi t this account is a member of the local I	ing on a Windows 2003 Performance group. When
installing on a Windows 20	100 / XP, add this account to the local A	idministrators group.
Account Name:		Browse
Paceword		μ
Eassword.		
Confirm passw	iord:	

7) Click **Browse...** to display the **Select Users** window, as illustrated, then in the **Enter the object names to select** field, enter **xcaliburservice**.

elect this object type:	
Jser	Object Types
rom this location:	
ret8.ga8	Locations
nter the object name to select (ever	noles)
nter the object name to select (<u>exar</u>	nples):
nter the object name to select (<u>exar</u>	pples) beck_Nam
nter the object name to select (<u>exar</u>	Dheck Nam

- 8) Click **Check Names** to verify the object name; a valid name is underlined automatically.
- 9) Click **OK** to save your entry and return to the **Service Account Information** window.

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🙀 Xcalibur Global (1.2) - Ins	tallShield	Wizard				×
Service Account Information	n.					X7
Specify a Domain User account I service.	hat will be	used by the	Xcalibur G	obal (1.2)		X
This account will be given Logo Server, please ensure that this installing on a Windows 2000 /	n as a Servi account is XP, add this	ce rights, W a member of s account to	hen install the local the local A	ng on a Wir Performanci dministrato	idows 200 e group. V rs group.	3 vhen
Account Name: NET8\Xcalibu	rService				Br	owse
Password:	****					
Confirm password:	****					
InstallShield						i
		< <u>B</u> ac		<u>N</u> ext >	<u></u>	Cancel

The account name **xcaliburservice** is added to the **Account Name** text box.

10) In the **Service Account Information** window, complete the following fields:

Password	Enter a valid password
Confirm password	Enter the password again for confirmation



11) Click **Next** to continue with the **Front End Server** installation process and display the **Service Settings** window, as illustrated.

Select the	e computer's response if th	nis service fails	
	Eirst failure:	Take No Action	
	Second failure:	Take No Action	
	Sybsequent failure:	Take No Action	
	<u>R</u> eset fail count after:	0 day	
	Restart service <u>a</u> fter:	1 minutes	R
nstallShield —		< Back	Cancel

The **Service Settings** window enables you to select various options in the possibility that the **Front End Server** service fails.

The following default options are selected automatically:

First failure	Take No Action (Recommended: Restart Service)
Second failure	Take No Action (Recommended: Restart Service)
Subsequent failure	Take No Action
Reset fail count after	0 day
Restart service after	1 minute

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12) Click **Next** to continue with the **Front End Server** installation process and display the **Database Server** window, as illustrated.

Jatabase Server	
Database Access Details	
Specify the database server where Xcalibur Globa server's name in the Database Server selection bo server's name from a list. Then specify how the X will authenticate in front of the selected server.	al (1.2) Database is installed by typing the iox. Press the Browse button to retrieve the Xcalibur Global (1.2) Front End Server service
Database Server:	
	Browse
Connect using:	
• Windows authentication using the Xcalibur	r Global (1.2) service account credentials
SQL Server authentication using the Login	n ID and Password entered below
Login ID: Isa	
Login ID: Isa Password:	

The **Database Server** window enables you to specify the database server where the **Xcalibur Global 1.2 Database** is installed, and specify how the **Front End Server** service authenticates with the selected server.

13) Click **Browse...** to display a list of servers in the **Browse** window.

calibur Global (1.2)	×
Please enter SQL Server Name:	
SQL2005\SQLEXPRESS	
Or select from List:	
ISQL2005/ISQLEXPRESS VCENTER/SQLEXP_VIM	
	ОК

14) In the **Browse** window select the server where the **Xcalibur Global 1.2 Database** is installed then click **OK** to save the selection and exit the window. The selected server appears in the **Database Server** text box.



Database Server			XZ
Database Access Details			
Specify the database serv server's name in the Data server's name from a list. will authenticate in front o	er where Xcalibur Globa base Server selection bo Then specify how the X f the selected server.	l (1.2) Database is instal ix. Press the Browse but calibur Global (1.2) Fron	led by typing the ton to retrieve the t End Server service
Database Server:			6 11
SQL200515QLEXPRESS			Browse
Connect using:			
Connect using:	ation using the Xcalibur	Global (1.2) service acco	ount credentials
Connect using:	ation using the Xcalibur	Global (1.2) service acco	ount credentials
Connect using:	ation using the Xcalibur Itication using the Login	Global (1.2) service acco ID and Password entere	ount credentials ed below
Connect using: Windows authentik SQL Server authe Login ID: Sa	ation using the Xcalibur Itication using the Login	Global (1.2) service acco ID and Password entere	ount credentials ed below
Connect using: Windows authentii SQL Server auther Login ID: sa Password:	ation using the Xcalibur itication using the Login	Global (1.2) service acco ID and Password entere	ount credentials
Connect using: Windows authentii SQL Server auther Login ID: sa Bassword: allShield	ation using the Xcalibur itication using the Login	Global (1.2) service acco ID and Password entere	bunt credentials

Note If the desired server name is not listed in the **Browser** window, enter the server name manually in the **Database Server** text box.

15) In the Database Server window select one of the following options:

Windows Authentication using the Xcalibur Global 1.2 service account credentials

Or

- SQL Server authentication using the SQL Login ID and Password entered below
 - Login ID Enter the applicable SQL login ID (sa) for the selected server
 - Password Enter the applicable password for the SQL login ID
- **Note** Enter the same authentication method and credentials that were specified during the database installation in the **Xcalibur Global 1.2 Service Account Information** window.

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16) Click **Next** to continue with the **Front End Server** installation process and display the **Database** window.

Xcalibur Global (1.2) - Iı	nstallShield Wizard	
Database		
Choose Database		
Specify the database where database's name in the Dat database's name from a list	e Xcalibur Global (1.2) Database is abase selection box. Press the Br	s installed by typing the owse button to retrieve the
Database:		
xdb_f55260b2		Browse
talishieid		

In the **Database** window, as illustrated, a default database name is automatically generated in the **Database** text box.

Make sure that the database name matches the database where **Xcalibur Global 1.2 Database** is installed.

To select the database from a list, click **Browse** and select the Xcalibur database from the list.

- **Note** If the database name is not listed in the **Browse** window, enter the database name manually in the **Database** text box.
- 17) Click **Next** to continue with the **Front End Server** installation process and display the **Ready to Install the Program** window.
- 18) The **Ready to Install the Program** window now displays, as illustrated, informing you that the **Front End Server** service program is ready to be installed.





Note The option **This is a Site Front End server (WAN**) should remain unchecked.

19) Click Install to continue and install the Front End Server service.



During the installation process, status is shown in the **Status** bar, as illustrated.

20) Upon completion, the **InstallWizard Completion** window displays, as illustrated, informing you that the program successfully installed the **Xcalibur Global 1.2 Front End Server** service.



- 21) Click Finish to complete the process and exit the installation wizard.
- 22) Proceed to the next installation process, **Installing the Management Console**.



Installing the Management Console

Proceed as follows to install the Management Console:

 From the installation media, run the MSI file Xcalibur Global (1.2) Managment, to display the Welcome window, as illustrated, informing you that the Xcalibur Global 1.2 Management Setup is preparing the setup process.



2) Click **Next** to continue with the installation process and display the **License Agreement** window.



3) Read the **Chip PC Software License Agreement** in the **License Agreement** window and select an option before proceeding with the **Management Console** installation.

🙀 Xcalibur Global (1.2) Managen	nent - InstallShield Wizard	×
License Agreement Please read the following license a	agreement carefully.	X
Chip PC Soft	ware License Agr	eement 🔺
IMPORTANT - READ CAREFU CONTAINS CHIP PC SOFTW INTELLECTUAL PROPERTY. ACCEPTANCE OF THE FOLL	JLLY BEFORE USING THIS ARE AND MAY CONTAIN (USING THIS PRODUCT IN OWING TERMS AND CON	S PRODUCT WHICH DTHER CHIP PC IDICATES YOUR DITIONS.
This License Agreement is a le	egal agreement between you ufacturer (MANLIFACTLIRFI	। (either an individual २) of the product
• I accept the terms in the license a • I do not accept the terms in the li	igreement cense agreement	Print
InstallShield	< <u>B</u> ack <u>N</u> e	xt > 💦 Cancel

- I accept the terms in the license agreement select this option to accept the terms and conditions for using the Chip PC Software and product
- I do not accept the terms in the license agreement select this option if you do not accept the terms and conditions for using the Chip PC Software and product. When you click Next to continue, the installation process is aborted.
- Print click to display the Print window to print a full copy of the license agreement.
- Click Next to continue with the Management Console installation. When you select to accept the terms in the license agreement the process continues and the Destination Folder window displays, as illustrated.

🙀 Xcalibur	Global (1.2) Management - InstallShield Wizard 🛛 🛛 🗙
Destinati	on Folder
	a to install to this folder, or click change to install to a different folder.
	Install Xcalibur Global (1.2) Management to:
	C:\Program Files\ChipPc\Xcalibur Global (1.2)\
InstallShield -	1 1 1
	< <u>Back</u> <u>N</u> ext > Cancel



In the **Destination Folder** window, as illustrated, the default path for the destination folder appears.

If preferred, click **Change...** to enter a different destination folder.

5) Click **Next** to continue with the **Management Console** installation process and display the **Database Server** window, as illustrated.

atabase Serve	1 2			
Database Access	; Details			
Specify the datab server's name in t server's name froi authenticate in fro Database Server	ase server where Xo he Database Server n a list. Then specif ont of the selected s	alibur Global (1.2) selection box, Pre y how the Xcalibur erver,	Database is installed ss the Browse buttor Global (1.2) Manage	by typing the n to retrieve the ment Console will
				Browse.
Connect using:				<i>•</i> 0
	thentication using th	he credentials of th	ne current User	
Windows au				
 Windows au SQL Server 	authentication using	the Login ID and I	Password entered be	low
<u>Windows au</u> <u>SQL Server</u> Login ID:	authentication using) the Login ID and I	Password entered be	low.
<u>Windows au</u> <u>SQL Server</u> Login ID: <u>Bassword:</u>	authentication using) the Login ID and I	Password entered be	

The **Database Server** window enables you to specify the database server where the **Xcalibur Global 1.2 Database** is installed, and how the **Management Console** authenticates with the selected server.

6) Click **Browse...** to display a list of servers in the **Browse** window.

Kcalibur Global (1.2) Management	>
Please enter SQL Server Name:	
SQL2005\SQLEXPRESS	
Or select from List:	
SQL2005\SQLEXPRESS VCENTER\SQLEXP_VIM	
	ОК

7) In the Browse window select the server where the Xcalibur Global 1.2 Database is installed then click OK to save the selection and exit the window. The selected server appears in the Database Server text box.



Xcalibur Global (1.2) Management - InstallShield Wizard	
Database Server	N/
Database Access Details	
Specify the database server where Xcalibur Global (1.2) Database is in server's name in the Database Server selection box. Press the Browse server's name from a list. Then specify how the Xcalibur Global (1.2) f authenticate in front of the selected server. Database Server:	nstalled by typing the 9 button to retrieve the Management Console will
- SQL2005/SQLEXPRESS	Browse
Connect using:	
• Windows authentication using the credentials of the current Use	er
\mathbb{C} SQL Server authentication using the Login ID and Password enterties and \mathbb{C}	ered below
Login ID: sa	^\
Password:	
raliShield	-0

- **Note** If the server name is not listed in the **Browser** window, enter the server name manually in the **Database Server** text box.
 - In the Database Server window select one of the following options:
 - Windows Authentication using the credentials of the current user Or
 - SQL Server authentication using the Login ID and Password entered below
 - Login ID Enter the applicable SQL login ID (sa) for the selected server
 - Password Enter the password for the selected SQL login ID
- **Note** Enter the same authentication method and credentials that were specified during the database installation in the **Xcalibur Global 1.2 Management Account Information** window.
- 8) Click **Next** to continue with the **Management Console** installation process and display the **Database Selection** window, as illustrated.

Xcalibur Global (1.2) Manageme	nt - InstallShield Wizard
Database selection	
Select Database	
Specify the database where Xcalibu database's name in the Database so the database's name from a list.	r Global (1.2) Database is installed by typing the election box. Press the Browse button to retrieve
Database:	
xdb_f55260b2	Browse
FallChield	

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In the **Database** window, a default database name is automatically generated in the **Database** text box.

Make sure that the database name matches the database where **Xcalibur Global 1.2 Database** is installed.

To select the database from a list, click **Browse** and select the Xcalibur database from the list.

- **Note** If the database name is not listed in the **Browse** window, enter the database name manually in the **Database** text box.
- Click Next to continue with the Management Console installation process and display the Xcalibur Global 1.2 Management Account Information window.
- 10) In the **Xcalibur Global 1.2 Management Account Information** window, as illustrated, specify the credentials for the user/group authorized to use the **Xcalibur MMC** snap-ins and connect to the **Xcalibur** database.

Xcalibur Global (1.2) Ma	magement Account Informa	V
Please specify the Creden to use the Xcalibur MMC sr	tials of the User/Group that will be authorized hap-ins and connect to the Xcalibur database.	A
Name:		Add
		Delete
	2	gjete All
stallShield		

11) Click Add to display the Select Users or Groups window, as illustrated. In the Enter the object names to select field, enter Xcalibur Admins then click Check Names to verify the object name; a valid name is underlined automatically.

elect Users or Groups	?
Select this object type:	
Users or Groups	<u>O</u> bject Types
From this location:	
net8.qa8	Locations
Enter the object names to select (<u>examples</u>):	4
	Check Names
	S.



12) Click **OK** to save your entry and return to the **Xcalibur Global 1.2 Management Account Information** window; the entered object name is listed in the **Xcalibur Global 1.2 Management Account Information** window, as illustrated.



13) Click **Next** to continue with the **Management Console** installation process and display the **Ready to Install the Program** window, as illustrated.

Ready to Install the Program	TT
The wizard is ready to begin the installation.	
Click Install to begin the installation.	
If you want to review or change any of your installation settings, c exit the wizard.	lick Back, Click Cancel to
nstallShield	
< <u>B</u> ack Ins	tall Cancel

The **Ready to Install the Program** window advises you that the **Management Console** component is now ready to be installed.

Important If necessary, click **Back** now to make any last-minute changes to your selections. When the installation commences, you will be unable to stop the process until the installation is completed.



14) Click Install to continue and install the Management Console component.



During the installation process, status is shown in the **Status** bar, as illustrated.

15) Upon completion, the **Installing Xcalibur Global 1.2 Management** window displays, as illustrated, informing you that the program successfully installed the **Xcalibur Global 1.2 Management Console** component.



16) Read the copyright notice for the third party Ultr@VNC software.

17) Click Finish to complete the process and exit the installation wizard.



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