

GWAVA Inc.



For GroupWise®

Exalead_® Install Guide

For Retain 2.6

"GWAVA" is a registered trade mark of GWAVA Inc, 100 Alexis Nihon, Suite 500, Saint Laurent, Quebec H4M 2P1 "Retain" is a trade mark of GWAVA Inc, 100 Alexis Nihon, Suite 500, Saint Laurent, Quebec H4M 2P1 "GroupWise" is a registered trade mark of Novell inc. "Exalead" is a registered trade mark of Exalead S.A.

Contents

Overview

Exalead is an extremely robust indexing system which has the ability to completely scale to the largest email archiving operations. The system requirements will vary depending on the size of the system being archived. The minimums listed are for a bare installation, and minimum use for the data directory and hard drive space. Medium size systems will vary somewhere between the minimum and recommended settings, though the recommended settings will guarantee quick response and performance from the indexing service. In general, the index service will perform better with ample ram, and multiple processor cores tied to the number of hard disks in the system due to disk I/O. SATA disks are not recommended due to disk I/O use and requirements. Exalead should be installed and run on a dedicated server for best performance. Exalead should not be run on the same machine as the Retain Server.

All systems should have clocks synchronized via a NTP server, as time stamps are used and must be consistent.

Licensing

Exalead is not a standard feature of the Retain system, but does improve the scalability and adds robust searching and management of the Retain archive. Exalead requires a separate purchase and license in addition to Retain licensing. Please contact your Retain sales representative for more information and for download and access.

Minimum System Hardware Requirements

- 2 HD disks with appropriate space for indexing needs.
 (Exalead indexing will consume about 40% of total archived mail space.)
- 16 GB of available ram
- Dual core processor

Recommended System Requirements

- ➢ 4-8 core system
- 32 GB Ram
- 8 SCSI or SAS Hard Disks, (or 1 per processor core), to maximize disk I/O performance while indexing. RAID 5 is fine.

Linux System Requirements

- ➢ 64-bit Suse Linux Enterprise Server 10, or 11.
- Sun Java 1.5
- > EXT-3 File system (Reiser file system will NOT work.)
- > The following packages **must** be installed:
 - compat-libstdc++
 - Gtk 32-bit library
 - Hard limit of file descriptors must be increased. Add the following line to /etc/security/limits.conf

*	soft	nofile	65537

Windows System Requirements

- MS Windows 2003 Server
- MS Windows 2008 Server
- Sun Java 1.5
- > All OS versions must have all available service packs installed.

All systems require 100 open ports for Exalead to use, starting at the 'base port' specified in the installation. See below.

The installation also requires an internet connection.

Exalead installation

Exalead Installation is essentially identical between both MS Windows and Linux platforms. The Install first checks for Java 1.5, and then prompts automatic (Linux) or manual (Windows) download and installation of Java 1.5 if it is not found. If Java is found, the install then proceeds to download and install and create a basic configuration for Exalead. The installation requires a live internet connection. After the install completes, there is no need to perform further configuration of Exalead in order for it to work with Retain; all pertinent configuration is performed in the installation and with the schema control by the Retain Server.

During the install, several variables must be provided for your system. Defaults are shown between brackets and can be applied simply by pressing <Enter> when prompted. However, the DNS or IP connection address must be manually specified for the system to function. The different variables required, and defaults, are:

\triangleright	Executable installation folder	C:\exabin -or- /opt/beginfinite/exabin
\triangleright	Data directory installation folder	C:\exadata -or- /opt/beginfinite/retain/exadata

The exabin and exadata directory settings MUST be different directories; they cannot be set to the same directory, or the install will fail.

	Hostname or IP Address	MUST be the Hostname or IP Address of the server— (Hostname or IP Address cannot be 127.0.0.1)
\triangleright	Base port (default is port 10000)	Exalead uses 100 ports, starting with this port
\triangleright	Exalead server instance name	reatainex
\triangleright	Base Port	10000
\triangleright	Number of used CPUs	2 (Defaults to the maximum detected on the server)
\triangleright	Build Type	buildsearch
\triangleright	Number of 'slices'	2 (minimum of 2 or number of available HD disks)
۶	Exalead Console Password	exalead

The install finally displays your settings and asks for confirmation then proceeds to finish the install and start Exalead. In Linux, Exalead is automatically set to run in runlevels 3 and 5. In MS Windows, Exalead runs as a service.

Linux Install

Download the Retain install package and extract it to its own folder. Enter the folder and locate the ExaleadInstall.sh file.

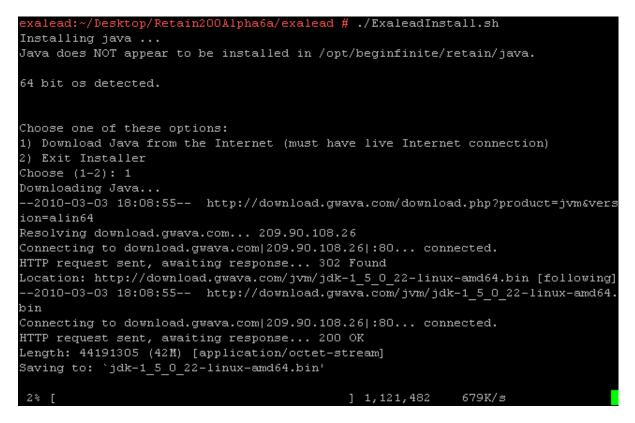
Add the execute permission to ExalaedInstall.sh

chmod +x ExaleadInstall.sh

Run the Exalead installation program on the target install server.

./ExaleadInstall.sh

The install first checks for Java 1.5. If Java is not found to be present in the system, the installer will download and begin the Java installation. If Java is already installed, the Exalead installation will continue to install.



If Sun Java has not been installed, the install will automatically download and install the JDK. The server MUST have internet access for this installation to work. Work through the license agreement, specify the JAVA_HOME variable, and complete the Java install.

The Exalead install must be restarted after Java installation. Re-run the Exalead installation.

./ExaleadInstall.sh



Exalead source and installation files will be downloaded to the target server. After the download finishes, the install will begin.

Executable file directory [/opt/beginfinite/retain/exabin]:

Default is shown. This is where Exalead will store its executable binary files.

```
Index data directory [/opt/beginfinite/retain/exadata]:
DNS or IP Address of index server []: 192.168.1.106
```

Exalead will also ask where it should store the data files for the index. This should be a location that can be backed-up.

The exabin and exadata directory settings MUST be different directories; they cannot be set to the same directory, or the install will fail.

Exalead will also require you to specify the IP address or DNS name of the target server. There is no default. This MUST be an address that the Retain Server can contact the Exalead server through, or the system will not work. Verify the selected address will work then specify the IP address or DNS Hostname and continue. This setting cannot be 127.0.0.1.

```
Instance name [retainex]:
basePort [10000]:
```

The instance name is what Exalead reports as its name to the Retain Server.

Exalead requires 100 ports to use. The base port is the port Exalead starts with, and then advances +100 ports as required. ie. By default, Exalead will use ports 10000-10100. Make sure these ports are open,

Copyright © 2011 GWAVA inc. All rights reserved.

or, change them according to your system. If changed from default, keep track of the base port, as it must be entered into the Retain Server configuration.

```
basePort [10000]:
CPUS to use for analyzers [2]: 2
```

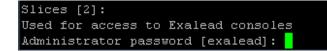
You will also be asked how many CPUs to utilize from the host system. This should be changed to the total number of processor cores in the host system, and a MINIMUM of 2 to support the minimum number of 'slices' for the system.

```
CPUS to use for analyzers [2]: 2
The buildtype should be left as buildsearch unless you consult with support,as t
his is the normal operational mode. purebuild greatly enhances indexing speed, b
ut disables ALL searching. It can bea useful option when first priming your inde
x.
buildtype [buildsearch]:
```

Enter the initial buildtype. The default, and what should be used in all but immediate setup, is the 'buildsearch' setting. It is highly recommended to leave this setting as default: buildsearch. If a large system is being migrated to Exalead, the search function of Exalead may be disabled to allow the index to be built faster; the 'purebuild' option. *Note: if the 'purebuild' option is selected, the setting must be changed to 'buildsearch' for searching to work*.

Short version: Leave this at 2 unless directed by support. Long version: must be between 2 and 8, while constrained by Min(CPU,Disk). Slices [2]:

The 'slices' setting basically represents the number of working threads Exalead will run, and has a minimum number of 2. The 'Slices' setting should be set to the number of hard drive disks installed in the system. The number of slices cannot be lower than '2', and cannot exceed the total number of available CPUs. I.e., if the system has two quad core processors and five SCSI disks, the slices setting should be set to '5'. Exalead will then split data job queues into 5 processing 'slices' which will do equal amounts of importing work.



Set the access password for the Exalead. This password will be used for the admin password to access the Exalead Configuration Console, (the admin console).

Install Executables to:	/opt/beginfinite/retain/exabin
Install data directory to:	/opt/beginfinite/retain/exadata
Use this host name:	192.168.1.106
Use this base port:	10000
Use this instance:	retainex
Use these many cpus:	2
Use this buildtype:	buildsearch
Use these many slices:	2
Use this password:	exalead
Confirm your selections (yes or no)	[yes]:

Verify your settings, or change them, then continue.

Installation successfull You must first launch the product using /opt/beginfinite/retain/exadata/bin/cvi nit.sh To complete the product setup, the configuration can be generated using : /opt/k eginfinite/retain/exadata/bin/postinstall retain-exalead 0:off 1:off 2:off 3:on 4:off 5:on 6:off Exalead is installed and will run automatically on reboot. Starting right now... . Wait 5 minutes, and then try accessing http://ipaddress:127.0.0.1:10001/api-ui Starting Exalead CloudView daemonexa: license expires in 10 days done exalead:~/Desktop/Retain200Alpha6a/exalead #

Exalead will then complete the install and set the system to run on runlevels 3 and 5 by default.

If you wish to check for a successful installation, wait several minutes then open a browser and access: http://<your server IP address or DNS>:<chosen base port +1>/admin . The admin console should be secured, whether by restricting access to the port to only the Admin computer, or through other network security measures appropriate for the system. Again, the admin console access port is the specified base port +1.

Login: admin Password: (whatever was specified in setup, default: Exalead)

Login Password Login

After logging into Exalead, you should view a management configuration page for the Exalead server. In almost every instance, configuration and installation of Exalead for Retain Server has been completed. No further configuration is needed. However, there are endless configuration options. GWAVA inc. and Retain 2 does not require any further configuration.

Home Hide Collect Connectors Process Analysis Build Groups Store		entry point to co					Fullscreen
Connectors Process Analysis Build Groups	Operations Overview Pre	entry point to co					
Process Analysis Build Groups			nfigure, operate, and monitor	Exalead CloudVie	w.		
Analysis Build Groups		viously Applied (Configurations				
tore	Overview of the product	workflow, proces	s operations and status.				
tore	Connectors						
idex Schemas	Name 🔶			Status 🔶	Туре		Actions
ccess	<u>default</u>				PushAPI	Scratch S	Source
earch Logics ecurity Sources	Build Groups						
Search API eployment Roles Iosts Status	Push API tasks count since Tasks in queue Number of documents Task Queue Details Slice Details	last restart 842: Empi 842:		; Update:0			
ogs	Processes						
Global Logs Process Logs	Host 192.168.100.204 💌						
og Level	Processes	PID	Status	Las	: Start Date		Actions
izards	analyzer-bg0-0	7269	started	201	0/06/01 12:38:13	<u>с</u>	
dd a Field	analyzer-bg0-1	7211	started	201	0/06/01 12:38:13	<u>с</u>	
anguages	analyzer-bg0-2	7242	started	201	0/06/01 12:38:13	<u>с</u>	
	analyzer-bg0-3	7182	started	201	0/06/01 12:38:13	<u>с</u>	
	analyzer-bg0-4	7230	started	201	0/06/01 12:38:13	<u>с</u>	
	analyzer-bg0-5	7251	started	201	0/06/01 12:38:13	с• 🗖	
	analyzer-bg0-6	7244	started	201	0/06/01 12:38:13	<u>с</u>	
	analyzer-bg0-7	7162	started	201	0/06/01 12:38:13	с• п	
	convert-c0	7229	started	201	0/06/01 12:38:13	с 🗖	

Windows Install

Download the Retain install package and extract it to its own folder. Enter the 'exalead' folder.

In the 'exalead' directory, locate and run the 'ExaleadInstall.bat' file.



in

The install first checks for Java 1.5. If Java is not found to be present

the system, the installer will prompt you to manually download the Java installation files and install Java 1.5. If Java is already installed, the Exalead installation will continue to install.

To download Java 1.5, browse to

<u>http://download.gwava.com/download.php?product=jvm&version=win64</u> or to the link specified by the installer.



Save, and run the install. The server MUST have internet access for this installation to work. After the installation has completed, specify the JAVA_HOME variable.

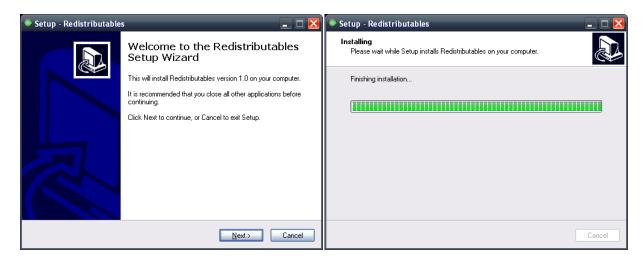
The JAVA_HOME variable is found under **Start** | **Control panel** | **System**. Select the **Advanced** tab and then select the **'Environment Variables'** button near the bottom. JAVA_HOME should be listed in your System variables table and point to your Java 1.5 installation directory. If it is incorrect, correct the information. If it is missing, select 'New' and add the path. Syntax as follows:

Variable Name JAVA_HOME Variable Value <Path to Java installation directory> ie. C:\Program Files\Java\jdk1.5.0_22

After Java has been installed, re-run the ExaleadInstall.bat file to initiate the installation.

```
Wget http://download.gwava.com/exalead/cloudview-oem-windows32-tag-5.0.3.12614.zip _ _ _ ×
--11:33:59-- http://download.gwava.com/download.php?product=retain&version=exaw
in32 => `download.ghp@product=retain&version=exawin32'
Resolving download.gwava.com... done.
Connecting to download.gwava.com[209.90.108.26]:80... connected.
HTTP request sent, awaiting response... 302 Found
Location: http://download.gwava.com/exalead/cloudview-oem-windows32-tag-5.0.3.12
614.zip [following]
--11:33:59-- http://download.gwava.com/exalead/cloudview-oem-windows32-tag-5.0.
3.12614.zip => `cloudview-oem-windows32-tag-5.0.3.12614.zip'
Connecting to download.gwava.com[209.90.108.26]:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 244,116,862 [application/zip]
100%[================>] 244,116,862 697.22K/s ETA 00:00
11:39:41 (697.22 KB/s) - `cloudview-oem-windows32-tag-5.0.3.12614.zip' saved [24
4116862/244116862]
Press any key to continue . . .
```

Exalead requires C++ SP1 Redistributable to be installed. The Exalead install will download and automatically run the installation file. When the installation dialog opens, select next and allow the install to complete.



Exalead will then continue to install through the console. Defaults for the required variables are shown between the brackets of the install prompts. Pressing <enter> on a blank option will accept defaults, or custom settings may be specified.

🔤 Wget http://download.gwava.com/exalead/cloudview-oem-windows32-tag-5.0.3.12614.zip 💶 🗙
There are a few things that need to be provided during installation:
The directory to install the executable files. This directory will take around 400-500 MB of disk space. The directory to install the index data. This directory can consume many gigabytes of disk space, dependi
ng on the size of the system. An IP address or DNS name of the indexing server. DO NOT use 127.0.0.1 or localhost????? The IP address or DNS name must be both RESOLVABLE AND REACHABLE
from both the Retain Server and any Exalead indexing servers you might install A TCP basePort. 100 TCP ports must be available between basePort and bas ePort+100.
Leave as 10000 unless there's a specific reason to change this. An instance name. Used for clustering. Leave as 'retainex' unless otherwise instructed. The number of cpus to use. Normally you want this to be all of them.
For each of these items, a default suggestion is provided in square brackets. Yo u may accept it by hitting the ENTER key.
Executable file directory [C:\exabin]:

Default is shown. This is where Exalead will store its executable binary files.

```
Wget http://download.gwava.com/exalead/cloudview-oem-windows32-tag-5.0.3.12614.zip
There are a few things that need to be provided during installation:
The directory to install the executable files.
This directory will take around 400-500 MB of disk space.
The directory to install the index data.
The directory to install the index data.
This directory can consume many gigabytes of disk space, depending on the size of the system.
An IP address or DNS name of the indexing server.
DO NOT use 127.0.0.1 or localhost?????
The IP address or DNS name must be both RESOLVABLE AND REACHABLE
from both the Retain Server and any Exalead indexing servers you
might install
A TCP basePort. 100 TCP ports must be available between basePort and bas
ePort+100.
Leave as 10000 unless there's a specific reason to change this.
An instance name. Used for clustering.
Leave as 10000 unless otherwise instructed.
The number of cpus to use. Normally you want this to be all of them.
For each of these items, a default suggestion is provided in square brackets. Yo
u may accept it by hitting the ENTER key.
Executable file directory [C:\exabin]:
Index data directory [C:\exabin]:
```

Exalead will also ask where it should store the data files for the index. This should be a location that can be backed-up.

The exabin and exadata directory settings MUST be different directories; they cannot be set to the same directory, or the install will fail.

Wget http://download.gwava.com/exalead/cloudview-oem-windows32-tag-5.0.3.12614.zip
The directory to install the executable files.
This directory will take around 400-500 MB of disk space.
The directory to install the index data.
This directory can consume many gigabytes of disk space, dependi
ng on the size of the system.
An IP address or DNS name of the indexing server.
DO NOT use 127.0.0.1 or localhost?????
The IP address or DNS name must be both RESOLUABLE AND REACHABLE
from both the Retain Server and any Exalead indexing servers you
might install
A TCP basePort. 100 TCP ports must be available between basePort and bas
ePort+100.
Leave as 10000 unless there's a specific reason to change this.
An instance name. Used for clustering.
Leave as 'retainex' unless otherwise instructed.
The number of cpus to use. Normally you want this to be all of them.
For each of these items, a default suggestion is provided in square brackets. Yo
u may accept it by hitting the ENTER key.
Executable file directory [C:\exabin]:
Index data directory [C:\exabin]:
DNS or IP Address of index server []:

Exalead will also require you to specify the IP address or DNS name of the target server. There is no default. This MUST be an address that the Retain Server can contact the Exalead server through, or the system will not work. Verify the selected address will work then specify the IP address or DNS Hostname and continue. This setting cannot be 127.0.0.1.

📼 Wget http://download.gwava.com/exalead/cloudview-oem-windows32-tag-5.0.3.12614.zip 📃 🗖 🗙
An IP address or DNS name of the indexing server. DO NOT use 127.0.0.1 or localhost!!!!! The IP address or DNS name must be both RESOLVABLE AND REACHABLE
from both the Retain Server and any Exalead indexing servers you might install A TCP basePort. 100 TCP ports must be available between basePort and bas ePort+100.
Leave as 10000 unless there's a specific reason to change this. An instance name. Used for clustering. Leave as 'retainex' unless otherwise instructed. The number of cpus to use. Normally you want this to be all of them.
For each of these items, a default suggestion is provided in square brackets. Yo u may accept it by hitting the ENTER key.
Executable file directory [C:\exabin]: Index data directory [C:\exadata]: DNS or IP Address of index server []:
DNS or IP Address of index server []:
DNS or IP Address of index server []: 192.168.1.102 Fine, but be careful that the Retain Server can reach this address Instance name [retainex]:

The instance name is what Exalead reports as it's name to the Retain Server.

💌 Wget http://download.gwava.com/exalead/cloudview_with_sdk-5.1.6.19145-windows-x86 💶 🗙
from both the Retain Server and any Exalead indexing servers you
A TCP basePort. 100 TCP ports must be available between basePort and bas ePort+100.
Leave as 10000 unless there's a specific reason to change this. An instance name. Used for clustering. Leave as 'retainex' unless otherwise instructed. The number of cpus to use for the analyzers. Normally you want this to b e all of them.
The buildType, which can affect your initial indexing run speed An administrator password for securing the Exalead console and ensuring data integrity.
For each of these items, a default suggestion is provided in square brackets. Yo u may accept it by hitting the ENTER key.
Executable file directory [C:\exabin]: Index data directory [C:\exadata]: You must choose an IP address accessible to Retain and all Exalead nodes! DNS or IP Address of index server []: 192.168.1.102 Fine, but be careful that the Retain Server can reach this address Instance name [retainex]: basePort [10000]:
CPUS to use for analyzers [1]: 2

Exalead requires 100 ports to use. The base port is the port Exalead starts with, and then advances +100 ports as required. ie. By default, Exalead will use ports 10000-10100. Make sure these ports are open, or, change them according to your system. If changed from default, keep track of the base port, as it must be entered into the Retain Server configuration.

🗪 Wget http://download.gwava.com/exalead/cloudview_with_sdk-5.1.6.19145-windows-x86 💶 🗙
from both the Retain Server and any Exalead indexing servers you
A TCP basePort. 100 TCP ports must be available between basePort and bas ePort+100.
Leave as 10000 unless there's a specific reason to change this. An instance name. Used for clustering. Leave as 'retainex' unless otherwise instructed. The number of cpus to use for the analyzers. Normally you want this to b e all of them.
The buildType, which can affect your initial indexing run speed An administrator password for securing the Exalead console and ensuring data integrity.
For each of these items, a default suggestion is provided in square brackets. Yo u may accept it by hitting the ENTER key.
Executable file directory [C:\exabin]: Index data directory [C:\exadata]: You must choose an IP address accessible to Retain and all Exalead nodes! DNS or IP Address of index server []: 192.168.1.102 Fine, but be careful that the Retain Server can reach this address Instance name [retainex]: basePort [10000]:
CPUS to use for analyzers [1]: 2_

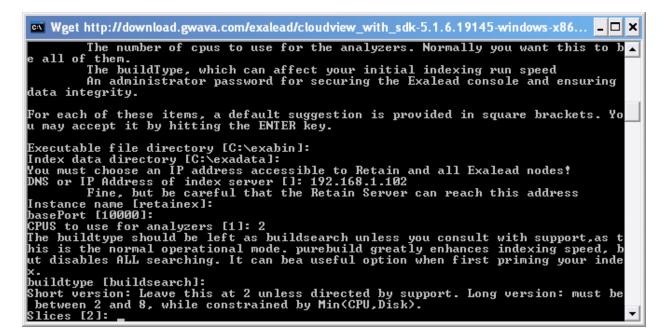
You will also be asked how many CPUs to utilize from the host system. This should be changed to the total number of processor cores in the host system, and a MINIMUM of 2 to support the minimum number of 'slices' for the system.

Wget http://download.gwava.com/exalead/cloudview_with_sdk-5.1.6.19145-windows-x86... _ _ X
 Leave as 10000 unless there's a specific reason to change this. An instance name. Used for clustering. Leave as 'retainex' unless otherwise instructed. The number of cpus to use for the analyzers. Normally you want this to be all of them. The buildType, which can affect your initial indexing run speed An administrator password for securing the Exalead console and ensuring data integrity.
 For each of these items, a default suggestion is provided in square brackets. Yo u may accept it by hitting the ENTER key.
 Executable file directory [C:\exabin]: Index data directory [C:\exadata]: You must choose an IP address accessible to Retain and all Exalead nodes! DNS or IP Address of index server []: 192.168.1.102 Fine, but be careful that the Retain Server can reach this address Instance name [retainex]: basePort [10000]: CPUS to use for analyzers [1]: 2
 The buildtype should be left as buildsearch unless you consult with support, as t his is the normal operational mode. purebuild greatly enhances indexing speed, but disables ALL searching. It can be a useful option when first priming your inde x.

Enter the initial buildtype. The default, and what should be used in all but immediate setup, is the 'buildsearch' setting. It is *highly recommended* to leave this setting as default: buildsearch.

If a large system is being migrated to Exalead, the search function of Exalead may be disabled to allow the index to be built faster; the 'purebuild' option. *Note: If 'purebuild' is selected, the setting much be switched in the configuration files to 'buildsearch' for searching to work.*

Copyright © 2011 GWAVA inc. All rights reserved.



The 'slices' setting basically represents the number of working threads Exalead will run, and has a minimum number of 2. The 'Slices' setting should be set to the number of hard drive disks installed in the system. The number of slices cannot be lower than '2', and cannot exceed the total number of available CPUs. I.e., if the system has two quad core processors and five SCSI disks, the slices setting should be set to '5'. Exalead will then split data job queues into 5 processing 'slices' which will do equal amounts of importing work.

C:\WINDOWS\system32\cmd.exe
The buildType, which can affect your initial indexing run speed An administrator password for securing the Exalead console and ensuring data integrity.
For each of these items, a default suggestion is provided in square brackets. Yo u may accept it by hitting the ENTER key.
Executable file directory [C:\exabin]:
Index data directory [C:\exadata]: You must choose an IP address accessible to Retain and all Exalead nodes!
DNS or IP Address of index server []: 192.168.1.102
Fine, but be careful that the Retain Server can reach this address
Instance name [retainex]:
basePort [10000]: CPUS to use for analyzers [2]:
The buildtype should be left as buildsearch unless you consult with support,as t
his is the normal operational mode, purebuild greatly enhances indexing speed, b
ut disables ALL searching. It can bea useful option when first priming your inde
×
buildtype [buildsearch]:
Short version: Leave this at 2 unless directed by support. Long version: must be between 2 and 8, while constrained by Min(CPU,Disk).
Slices [2]:
Used for access to Exalead consoles
Administrator password [exalead]:

Set the access password for the Exalead. This password will be used for the admin password to access the Exalead Configuration Console, (the api-ui).

Copyright © 2011 GWAVA inc. All rights reserved.

Instance name [retainex]: basePort [10000]: CPUS to use for analyzers [2]:
The buildtype should be left as buildsearch unless you consult with support,as t his is the normal operational mode. purebuild greatly enhances indexing speed, b ut disables ALL searching. It can bea useful option when first priming your inde x. buildtype [buildsearch]: Short version: Leave this at 2 unless directed by support. Long version: must be between 2 and 8, while constrained by Min(CPU,Disk). Slices [2]: Used for access to Exalead consoles
Administrator password [exalead]: Install Executables to: C:\exabin Install data directory to: C:\exadata Use this host name: 192.168.1.102 Use this base port: 10000 Use this instance: retainex Use these many cpus: 2 Use this buildtype: buildsearch Use these many slices: 2 Use this password: exalead Confirm your selections (yes or no) [yes]: _

Verify your settings, or change them, then continue.

🔤 Wget http://download.gwava.com/exalead/cloudview-oem-windows32-tag-5.0.3.12614.zip 📃 🗙
<pre> <applyrestartprocesses> <applyrestartprocesses> <applypostactions> </applypostactions> </applyrestartprocesses></applyrestartprocesses></pre>
Executing : C:\exadata\bin\exa.exe -b C:\exabin\\exabin\mercury.bin com.exalead .mercury.util.windows.registerService -name "Exalead CloudView OEM - retainex" - command "C:\exadata\bin\cvd.exe" exa.exe: license expires in 9 days
Installation successfull You must first launch the product using C:\exadata\bin\cvinit.bat To complete the product setup, the configuration can be generated using : C:\exa data\bin\postinstall.exe Exalead is installed and will run automatically on reboot. Will start after you hit a key to continue Wait 5 minutes, and then try accessing http://ipaddress:127.0.0.1:10001/api-ui
Press any key to continue

Exalead will then complete the install and set to run as a system service.

The Windows system should be restarted after installation.

If you wish to check for a successful installation, wait several minutes then open a browser and access: http://<your server IP address or DNS>:<chosen base port +1>/admin . The API-UI should be secured, whether by restricting access to the port to only the Admin computer, or through other network security measures appropriate for the system. Again, the API-UI access port is the specified base port +1.

Login
Login

Login: admin Password: (whatever was specified in setup, default: Exalead) After logging into Exalead, you should view a management configuration page for the Exalead server. In almost every instance, configuration and installation of Exalead for Retain Server has been completed. No further configuration is needed. However, there are endless configuration options. GWAVA inc. and Retain 2 does not require any further configuration.

	ad [*]		Save Changes Cancel Changes	s Apply Changes	admin	5	? Help
Home 🖇 Hi	Home						Fullscreen
Collect Connectors	This home page is the single	e entry point to co	nfigure, operate, and monitor Exalea	d CloudView.			
Process Analysis Build Groups		eviously Applied C t workflow, proces	configurations				
Store	Connectors						
Index Schemas	Name 🔷		Stat				Actions
iccess Search Logics	default Build Groups			PushAPI		Scratch S	ource
Security Sources	Build Group bg0 💌 Ser			idle slice "4" idle slice "5" idle			
-	Overall status	slice	"0" idle,slice "1" idle,slice "2" idle,slice "3"); New:8423; Replace.0; Delete.0; Update				
User Interaction Search UI Search API Deployment Roles	Overall status Push API tasks count since Tasks in queue Number of documents Task Queue Details Slice Details Processes	slice e last restart 8423 Empt 8423	"0" idle,slice "1" idle,slice "2" idle,slice "3"); New:8423; Replace.0; Delete.0; Update				
Jser Interaction Search UI Search API Deployment Roles Hosts Status .ogs Global Logs Process Logs	Overall status Push API tasks count since Tasks in queue Humber of documents ▶ Task Queue Details ▶ Slice Details	slice e last restart 8423 Empt 8423	"0" idle,slice "1" idle,slice "2" idle,slice "3"); New:8423; Replace.0; Delete.0; Update				
User Interaction Search UI Search API Deployment Roles Hosts Status Ogs Global Logs Process Logs	Overall status Push API tasks count since Tasks in queue Number of documents Task Queue Details Slice Details Processes	slice e last restart 8423 Empt 8423	"0" idle,slice "1" idle,slice "2" idle,slice "3"); New:8423; Replace.0; Delete.0; Update				Actions
User Interaction Search UI Search API Deployment Roles Hosts Status Ogs Global Logs Process Logs Log Level Vizards	Overall status Push API tasks count since Tasks in queue Humber of documents > Task Queue Details > Slice Details Processes Host 192.168.100.204	slice e last restart 8423 Empt 8423	"0" idle,slice "1" idle,slice "2" idle,slice "3" ;; New:8423; Replace.0; Delete.0; Update y	.0		• • •	
User Interaction Search UI Search API Peployment Roles Hosts Status Ogs Global Logs Process Logs Log Level Vizards Add a Field	Overall status Push API tasks count since Tasks in queue Itumber of documents > Task Queue Details > Slice Details Processes Host 192168.100.204 @ Processes analyzer-bg0-0 analyzer-bg0-1	slice e last restart 8423 Empt 8423 9423 PID 7269 7211	"0" idle,slice "1" idle,slice "2" idle,slice "3" ; <i>New</i> B423; <i>Replace</i> 0; <i>Delete</i> .0; <i>Update</i> y Status started started	2010/06/01 12:38:13 2010/06/01 12:38:13		0 0 0 0	
User Interaction Search UI Search API Peployment Roles Hosts Status Ogs Global Logs Process Logs Log Level Vizards Add a Field	Overall status Push API tasks count since Tasks in queue Ilumber of documents ▶ Task Queue Details ▶ Slice Details Processes Host [192168100.204] Processes analyzer-bg0-0 analyzer-bg0-1 analyzer-bg0-2	slice e last restart 8423 Empt 8423 9423 7269 7269 7211 7242	"0" idle,slice "1" idle,slice "2" idle,slice "3" ; <i>New</i> B423; <i>Replace</i> 0; <i>Delete</i> 0; <i>Update</i> y Stetus started started started started	2010/06/01 12:38:13 2010/06/01 12:38:13 2010/06/01 12:38:13		0 0 0 0 0 0	
User Interaction Search UI Search API Peployment Roles Hosts Status Ogs Global Logs Process Logs Log Level Vizards Add a Field	Overall status Push API tasks count since Tasks in queue Ilumber of documents ▶ Task Queue Details ▶ Silce Details Processes Host [192168.100.204] Processes analyzer-bg0-0 analyzer-bg0-1 analyzer-bg0-2 analyzer-bg0-3	slice e last restart 8423 Empt 8423 8423 7269 7269 7211 7242 7242 7182	"0" idle,slice "1" idle,slice "2" idle,slice "3" ; <i>New</i> 3423; <i>Replace</i> 0; <i>Delete</i> 0; <i>Update</i> y status started started started started started	2010/06/01 12:38:13 2010/06/01 12:38:13 2010/06/01 12:38:13 2010/06/01 12:38:13			
Iser Interaction Search UI Search API Reployment Roles Hosts Status Ogs Blobal Logs Process Logs Log Level Vizards Add a Field	Overall status Push API tasks count since Tasks in queue Number of documents ▶ Task Queue Details ▶ Slice Details Processes Host 192168.100.204 ▼ Processes analyzer-bg0-0 analyzer-bg0-1 analyzer-bg0-1 analyzer-bg0-3 analyzer-bg0-4	slice e last restart 8423 Empt 8423 9423 7269 7211 7242 7182 7230	"0" idle,slice "1" idle,slice "2" idle,slice "3" ; <i>New</i> 3423; <i>Replace</i> 0; <i>Delete</i> 0; <i>Update</i> y Status started started started started started started	2010/06/01 12:38:13 2010/06/01 12:38:13 2010/06/01 12:38:13 2010/06/01 12:38:13 2010/06/01 12:38:13			
User Interaction Search UI Search API Peployment Roles Hosts Status Ogs Global Logs Process Logs Log Level Vizards Add a Field	Overall status Push API tasks count since Tasks in queue Humber of documents > Task Queue Details > Slice Details Processes analyzer-bg0-0 analyzer-bg0-1 analyzer-bg0-3 analyzer-bg0-4 analyzer-bg0-5	e last restart 8423 Empt 8423 PID 7269 7211 7242 7182 7230 7251	"0" idle,slice "1" idle,slice "2" idle,slice "3" ; <i>New</i> 3423; <i>Replace</i> 0; <i>Delete</i> 0; <i>Update</i> y Status started started started started started started started started	2010/06/0112:38:13 2010/06/0112:38:13 2010/06/0112:38:13 2010/06/0112:38:13 2010/06/0112:38:13 2010/06/0112:38:13			
User Interaction Search UI Search API Deployment Roles Hosts Status Ogs Global Logs Process Logs Log Level Vizards Add a Field	Overall status Push API tasks count since Tasks in queue Humber of documents ▶ Task Queue Details ▶ Slice Details Processes Host 192168100.204 ▼ Processes analyzer-bg0-0 analyzer-bg0-1 analyzer-bg0-1 analyzer-bg0-3 analyzer-bg0-4 analyzer-bg0-5 analyzer-bg0-6	e last restart 8423 Empt 8423 PID 7269 7211 7242 7230 7251 7244	"0" idle,slice "1" idle,slice "2" idle,slice "3" ; New3423; Replace0; Delete0; Update y Status started started started started started started started started started started started	2010/06/01 12:38:13 2010/06/01 12:38:13 2010/06/01 12:38:13 2010/06/01 12:38:13 2010/06/01 12:38:13 2010/06/01 12:38:13 2010/06/01 12:38:13			
Jser Interaction Search UI Search API Deployment Roles Hosts Status	Overall status Push API tasks count since Tasks in queue Humber of documents > Task Queue Details > Slice Details Processes analyzer-bg0-0 analyzer-bg0-1 analyzer-bg0-3 analyzer-bg0-4 analyzer-bg0-5	e last restart 8423 Empt 8423 PID 7269 7211 7242 7182 7230 7251	"0" idle,slice "1" idle,slice "2" idle,slice "3" ; <i>New</i> 3423; <i>Replace</i> 0; <i>Delete</i> 0; <i>Update</i> y Status started started started started started started started started	2010/06/0112:38:13 2010/06/0112:38:13 2010/06/0112:38:13 2010/06/0112:38:13 2010/06/0112:38:13 2010/06/0112:38:13			