

Server Installation Manual 4.4.1

1. Product Information

Product: BackupAgent Server

Version: 4.4.1

2. Introduction

BackupAgent Server has several features. The application is a web application and offers:

- Web-based management interface
- High data security
 - SSL connection (HTTPS)
 - Storage of encrypted data with AES 128 and 256 Bits
- Distribution of accounts through co-branded or private labeled Groups (can be resellers)
- Multiple storage locations
- Web-based access for end-users to browse and download their files
- Trial accounts with automatic removal
- Freemium accounts

A system administrator can quickly and reliably set up BackupAgent Server to serve backup capacity to clients on the LAN, WAN, Intranet and Internet. A web-based Management Console (MC) offers full functionality from setup until service.

BackupAgent Server is fully configurable. All settings, texts and graphical appearances can be changed:

- Email communication is fully configurable for every email
- Management Console appearance can be changed
- Support links, download links and registration links can be changed

BackupAgent Server is scalable and can run in different scenarios:

- Clustered servers
- Load balanced servers
- Replicated servers
- Multiple storage locations
- Network mounted storage locations

3. System Requirements

The BackupAgent Server platform requires Windows Server 2008 R2 or Windows Server 2012.

The .NET Framework 3.5.1 SP1 and .Net Framework 4.5 need to be installed.

The infrastructure requirements are:

- Registered DNS name, which resolves to an IP address existing on the local server
- Internet connection (e.g. ADSL, SDSL) with ports 80 and 443 open
- Mail server available in network, which does not demand authentication

The hardware requirements are:

- 3 Ghz Quad Core or higher/comparable processor
- 8 GB available RAM
- 300 MB of disk space The

software requirements are:

- Windows Server 2008 R2 64bit or Windows Server 2012 (English language only)
- IIS 7 or IIS 8 installed
- .NET Framework 3.5
- .Net Framework 4.5

4. Setup

4.1. Server Manager

The following role, role services and features need to be installed before performing the installation:

- Web Server (IIS)
- Static Content
- Default Document
- Directory Browsing
- HTTP Errors
- HTTP Redirection
- ASP.NET
- .NET Extensibility
- .NET Extensibility 3.5 (Windows Server 2012 only)
- .NET Extensibility 4.5 (Windows Server 2012 only)
- ASP.NET 3.5 (Windows Server 2012 only)
- ASP.NET 4.5 (Windows Server 2012 only)
- CGI
- ISAPI Extensions
- ISAPI Filters
- HTTP Logging
- Request Monitor
- Basic Authentication
- Windows Authentication
- Request Filtering
- Static Content Compression
- IIS Management Console
- IIS Management Scripts and Tools
- Management Service
- IIS 6 Management Compatibility
- IIS 6 Metabase Compatibility
- IIS 6 WMI Compatibility
- IIS 6 Scripting Tools

- IIS 6 Management Console
- .NET Framework 3.5 Features

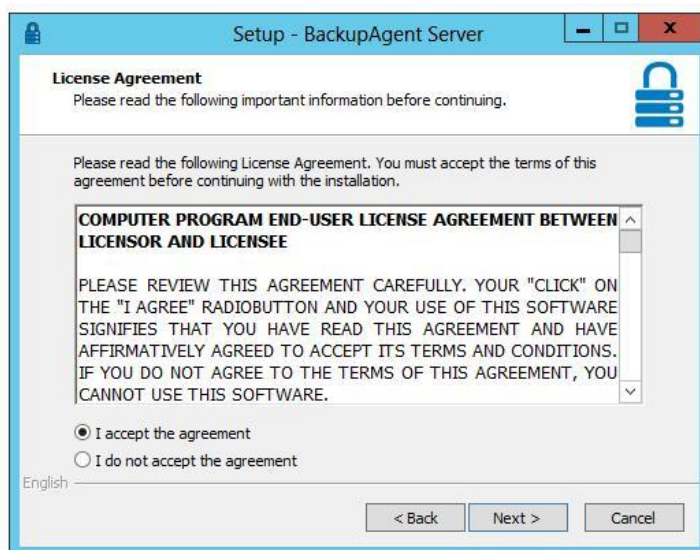
Before you run the setup, check the resolution of the FQDN on the local machine, by pinging the domain name. It should resolve to the local network IP address.

If the responding IP address is **not** the local IP address, the FQDN should be added to the Windows hosts file located in 'C:\Windows\System32\drivers\etc.'

The setup can be downloaded from <http://www.acronis.com/en-us/support/updates/index.html>. After executing the setup you can choose your own language.

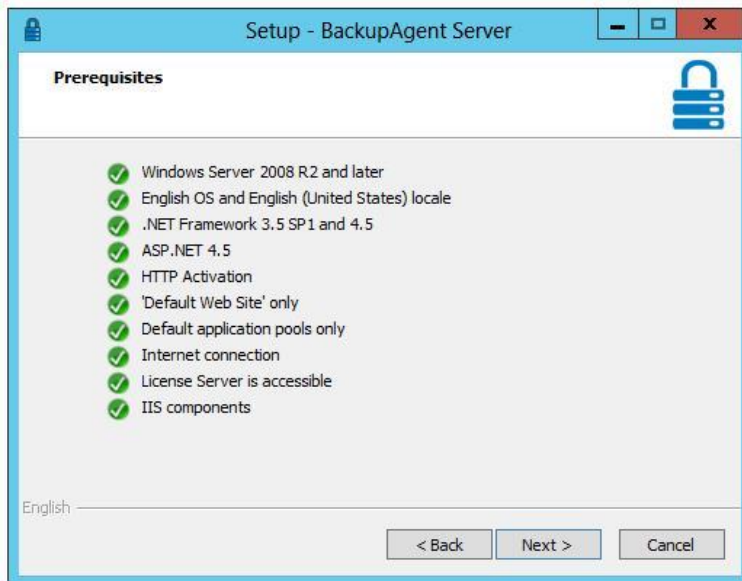


The next view is the License Agreement.

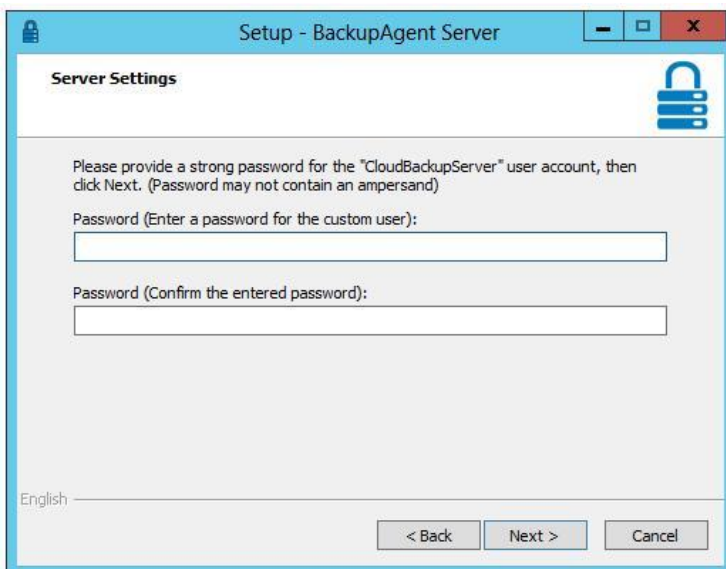


To continue with the setup you have to accept the License Agreement.

After doing so, a check will be performed to see if all prerequisites are in order. If not, a red cross will be in front of the prerequisite and you will not be able to continue with the setup before all prerequisites are in order.



Importantly, since the BackupAgent Server application is making full use of the server functionality, a separate user account will be created. The setup will prompt for a password for the 'CloudBackupServer' user account.



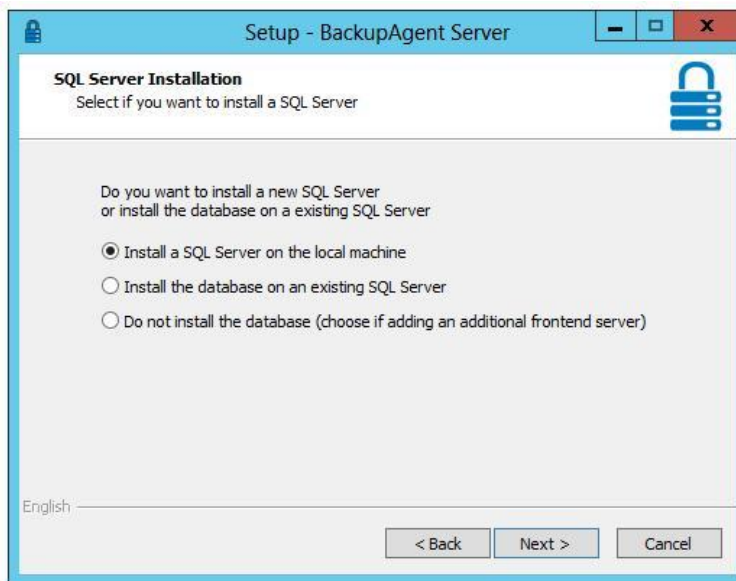
The setup will now offer a choice for installing an SQL Server 2012 instance:

- You can let this setup install an instance of SQL Server 2012 Service Pack 1 Express edition.

- You can pick an existing SQL Server instance.
- You can choose not to install a database.

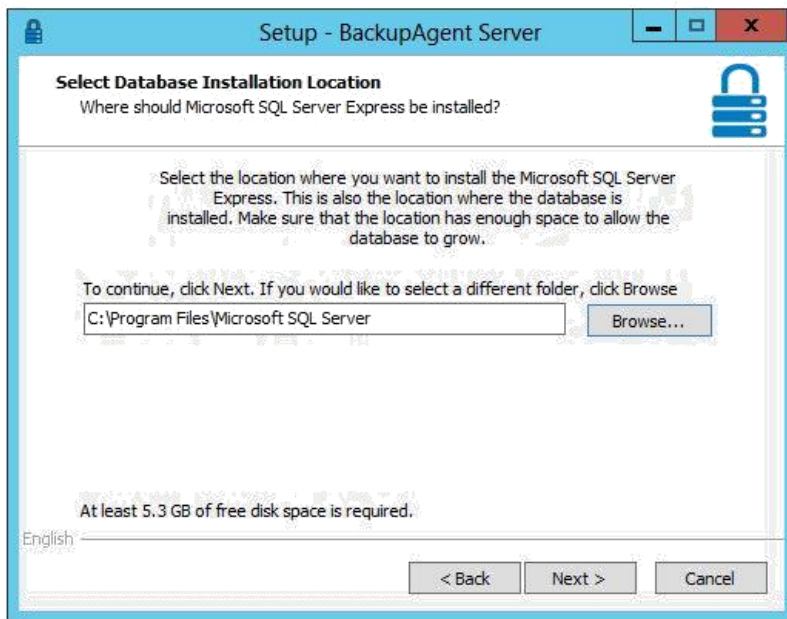
Note: The last option is only applicable when you wish to install BackupAgent Server on a secondary machine in a load-balanced configuration.

Install a SQL Server on the local machine



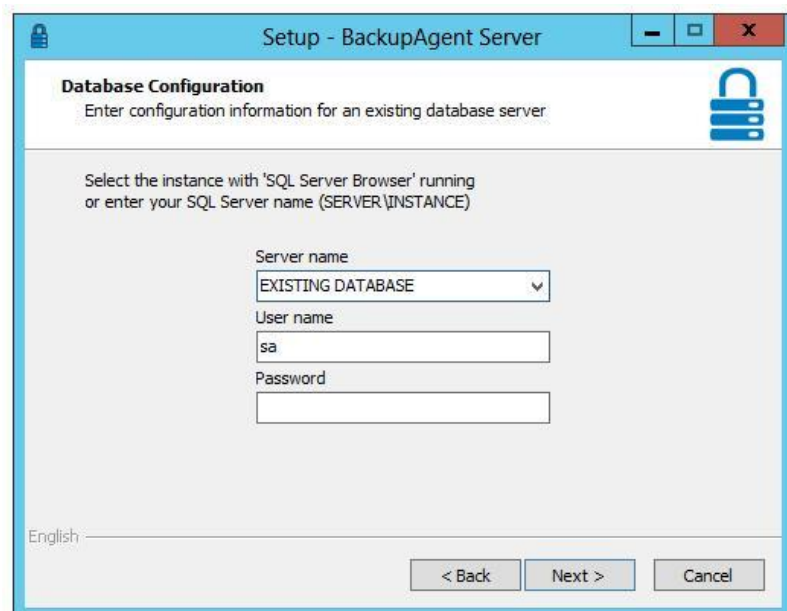
When you choose 'Install an SQL Server on the local machine' make sure there is no other SQL-related software installed; if so, remove this first.

You will be prompted to specify the installation path of this instance:

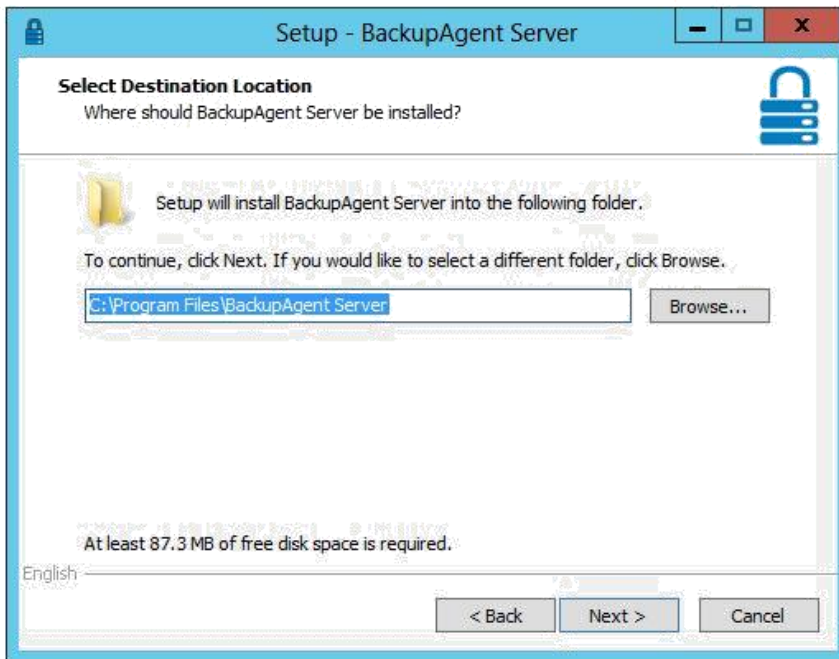


Install the database on an existing SQL server

When you choose 'Install the database on an existing SQL server' you will be prompted to choose from an automatically detected list of database instances:

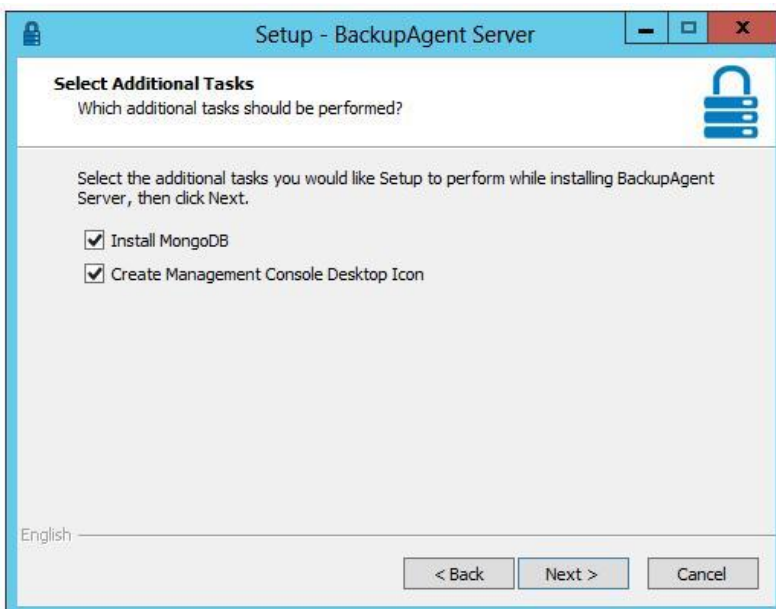


BackupAgent will prompt for the installation folder, if a correct and strong password is entered. By default, the installation folder will be '%ProgramFilesDir%/BackupAgent Server'.

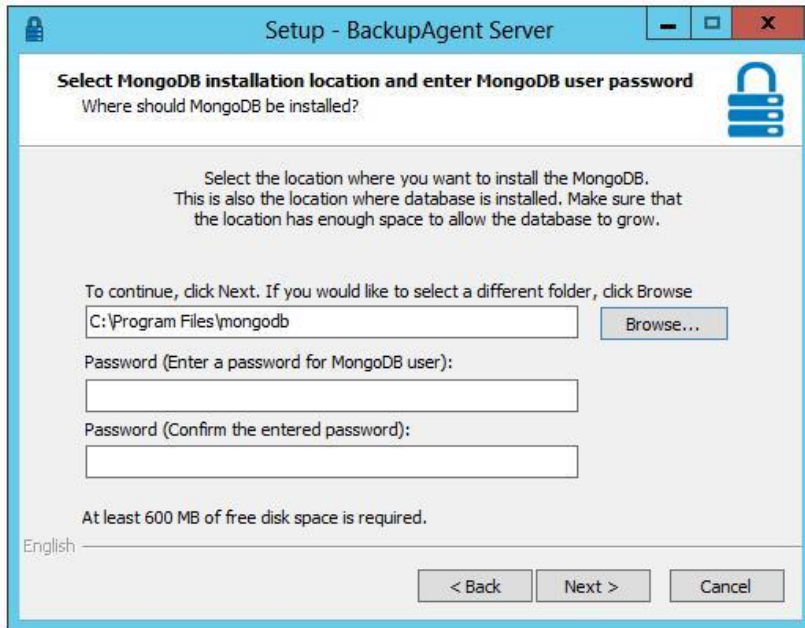


Select Additional Tasks

You can choose to install MongoDB database for use with UNC Zip storage environments or Amazon S3 Cloud Computing. Here you can also choose to let the setup create a desktop icon for the Management Console.



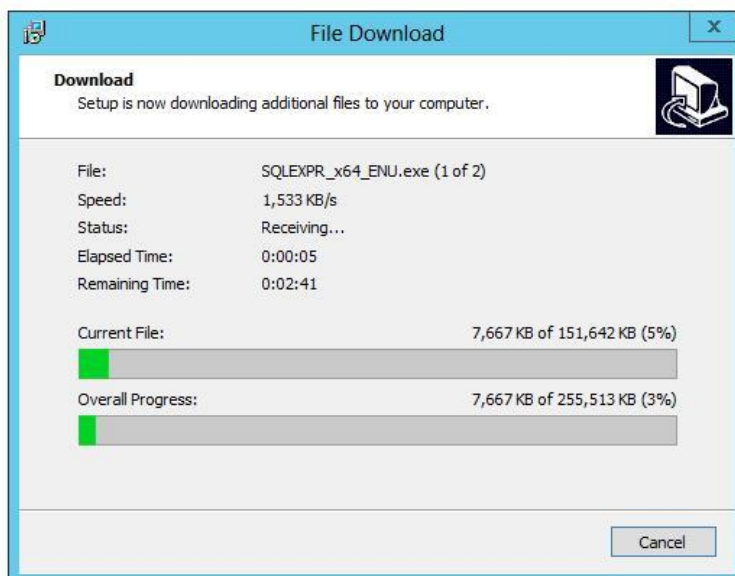
If you chose to install MongoDB, the next step is to set a location to install MongoDB and to enter a password.



The setup will now check for existing SQL Server 2012 Service Pack 1 Express and .Net 3.5 framework installations. These are required to make full use of MS SQL Server 2012 as a user database for BackupAgent.

Note: Alternatively, existing SQL Server 2008 nodes can serve as a database for a BackupAgent Server application server.

The extra components for BackupAgent Server will be downloaded.

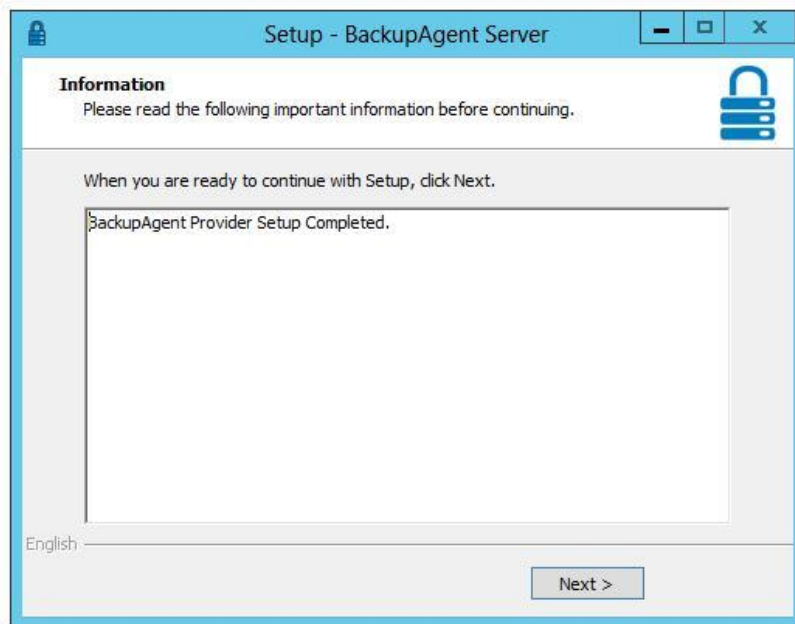


After downloading BackupAgent Server will be fully installed on your server machine.

Note: It is easy to create a load balanced server park by setting up two machines with the same settings in the setup and move the database to a central node. In this case storage also has to be replicated or centralized. For more information on this topic, please visit:

<https://support.backupagent.com/hc/en-us/articles/200439676-Load-Balancing-Reference>

BackupAgent Server is successfully installed on your computer.

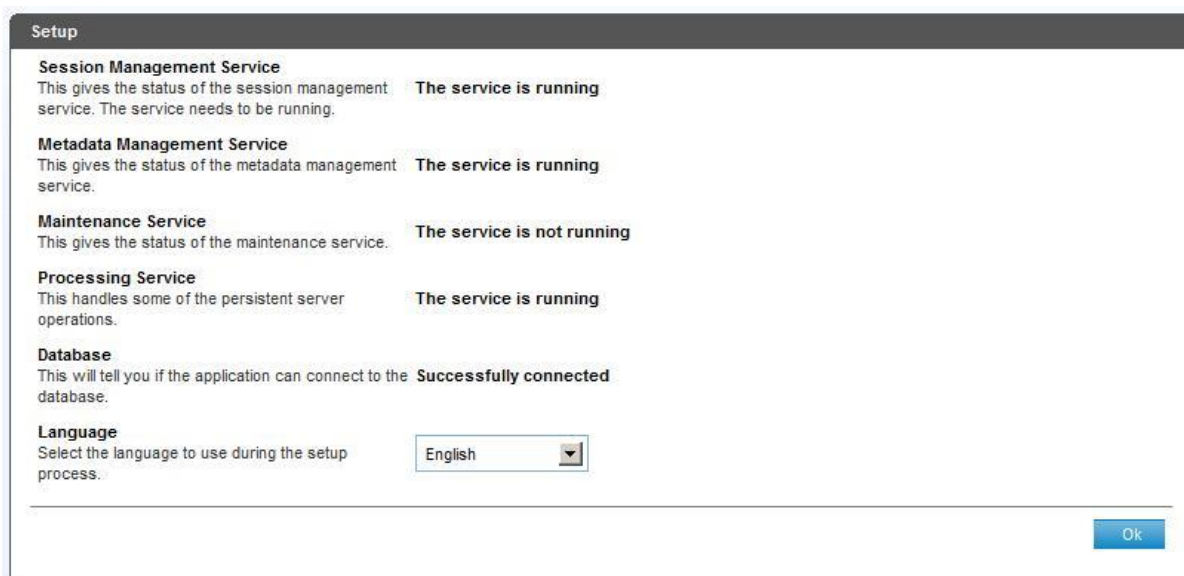


A final screen will appear on the server. Now the setup of the BackupAgent Server application is finished. This means that we can now configure the server to set usage specifications and license of BackupAgent Server.



5. Configuration

Next to setting up BackupAgent Server, it is important to configure it correctly. After the setup a configuration wizard will start to guide you (system administrator) through the configuration process.



Note: The Maintenance Service should **not** be running yet. It will be started at the last step of the setup process

In case critical components of BackupAgent Server are not installed properly, the status of these components will block the option to continue with the setup. If you are not sure how to continue, please contact our support department for further assistance.

Select a language for the configuration setup and click 'OK'.

Note: If you install BackupAgent Server on a member server, the configuration files may be incorrectly configured to use a domain account. You can correct this by editing the following files:

- ManagementConsole\web.config
- CloudBackupService\web.config

Look for the `userName="domain\CLOUDBACKUPSERVER"` and change this to:

```
userName=".\.CLOUDBACKUPSERVER"
```

or

```
userName="computername\CLOUDBACKUPSERVER"
```

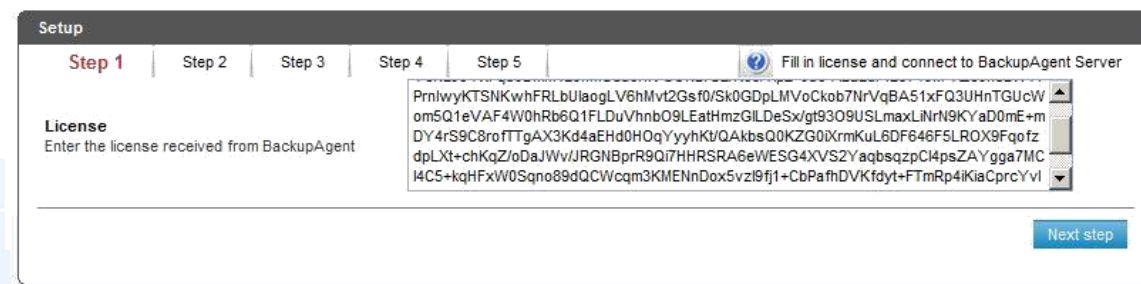
The same applies for services that might not have been installed.

- MaintenanceService\Config
- MetadataManagementService\MetadataManagementService.exe
- ProcessingService\ProcessingService.exe

After having edited these two files you need to run the `WinService_Install` for both services through the command prompt.

5.1. Step 1: License

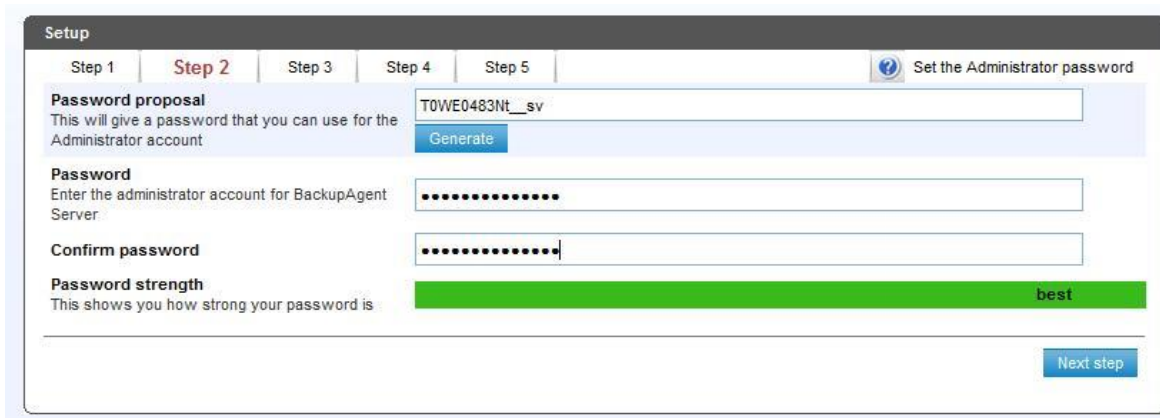
BackupAgent Server will now ask for a license file.



The license file is distributed by BackupAgent BV only. After the license is accepted, the setup will continue with step 2.

5.2. Step 2: Administrator password

This step will prompt for the administrator password of the Management Console.



The password is checked for security reasons. The setup will check the strength of the password in real-time. You can also let the setup generate a strong password by clicking on the 'Generate' button. Once the password is set the configuration will continue with step 3.

5.3. Step 3: Server configuration

This step allows configuration of the server. Most importantly:

- You can set the first storage location of all backup files and give it a friendly name. Make sure the storage location path physically exists before continuing with the setup.
- If you installed MongoDB during the installation, you can enter the default location and user name and a password.
- You can enter an SMTP server address and sender for automatic email notifications.

- You can set a 'Service name' (this will be used for example in email communications).
- Optionally you can specify a logo. This logo will be displayed alternatively to the BackupAgent ® logo on top of the Management Console.
- You need to set the 'Support Email' address that will be used for sending emails.

Setup

Step 1 | Step 2 | **Step 3** | Step 4 | Step 5 | [Set server settings](#)

Default storage location name
The default storage location where users that register will be assigned to

Files location
The physical location where the files of end users will be stored

MongoDB Server/Database
mongodb://localhost/CloudBackupService

MongoDB User Name
CloudBackupServer

MongoDB Password
••••••••

SMTP
The SMTP server which can be used to send mail

Service name
The name of the service, will be used in for example Email messages

Logo (Optional)
You can specify an url where your logo can be found

Support Email
The name of the smtp virtual server domain

[Next step](#)

5.4. Step 4: Set credentials

BackupAgent will prompt for credentials. Please fill these in correctly since some of them are automatically included in emails to clients.

Setup

Step 1 | Step 2 | Step 3 | **Step 4** | Step 5 | [Setup the ActiveDirectory connection](#)

Address

ZIP code

City

Country

Telephone number

Email

Company name

[Next step](#)

5.5. Step 5: Configuration completed



BackupAgent Server is successfully configured on your server. Click on the link to log on to the Management Console, which will close the setup process.

Note: As an extra security measure, the CloudBackupServer user can be denied access through RDP in the Local Computer Policy. To do so open the Group Policy editor, expand Windows Settings > Security Settings > Local Policies > User Rights Assignment and add it to the policy.

You can now fully use the Management Console to create new accounts and provide backup services to clients or employees.