

# web.config

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The following Centero Carillon configurations can be done by modifying the **web.config** file located on the root of the portal or agent gateway website. We don't recommend changing any other web.config values except the values listed in this article. Modifications can be made with any text editor but an XML editor is preferred to keep the XML structure valid.

## Centero Carillon

### <appSettings>

- **Key Users allowed to reset all saved passwords**
  - Specifies who is allowed to reset all randomly generated passwords. The reset will cause all randomly generated passwords to be re-generated when a client next contacts the Agent Gateway
  - You can specify AD user accounts and groups. Multiple values are separated with comma
- **Key Users allowed to reset retrieved passwords**
  - Specifies who is allowed to request single randomly generated password. Reset will cause selected account passwords to be re-generated when the client next contacts the Agent Gateway.
  - You can specify AD user accounts and groups. Multiple values are separated with comma
- **Key Radgrid export types**
  - Configure file formats available when grid data is exported in Carillon portal. Default values: CSV and Excel. Other possible values are: Word & PDF
  - Multiple values can be separated with a comma

### <connectionStrings>

- Name **Default** (value must be specified)
  - This setting specifies the location of Carillon database. You can specify several Carillon databases by adding new "add" elements inside <connectionString> element. When adding new database connections use unique "name" attribute for each database.
  - Default database connection is selected by default, but portal user can connect to other database by changing the database connection
  - Example 1 (On-prem database)

```
<add name="Default" connectionString="Data Source=SERVER.domain.local;initial catalog=Carillon;Integrated Security=SSPI" providerName="System.Data.SqlClient"/>
```

- Example 2 (Azure AD SQL accessed as a SQL user)

```
<add name="Azure SQL" connectionString="Server=tcp:name.database.windows.net,1433;Initial Catalog=Carillon;Persist Security Info=False;User ID=SQL_User;Password=SQL_User_Pwd;MultipleActiveResultSets=False;Encrypt=True;TrustServerCertificate=False;Connection Timeout=30;" providerName="System.Data.SqlClient"/>
```

## <location>

You can configure access to Centero Carillon web pages with location elements. Each IIS site's folder or file can be listed with a location elements and set with required access control settings. By default, there are location element for Default.aspx file (site's homepage) and for Configuration, Reports, ServiceDesk and Settings folders (pages inCentero Carillon portal).

If the folder or file does not have any location elements specified, all users that have access to web site also have access to the folder or file.

Location element structure is:

```
<location path="Path to folder or file">
  <system.web>
    <authorization>
      <allow roles="AD groups to allow access">
      <allow users="AD users to allow access">
      <deny users="*">
    </authorization>
  </system.web>
</location>
```

- **<location path>**
  - Specify the site's folder or file to which you want to configure access to
- **<allow roles>**
  - AD groups of which members should have access to the specified page or file
  - Multiple values can be separated with a comma
- **<allow users>**
  - AD users who should have access to the specified page or file
  - Multiple values can be separated with a comma
- **<deny users>**
  - Specify users who should not have access to the specified page or file

## Agent Gateway

### <appSettings>

- Key **AzureAppService**
  - Specify if the agent gateway is running in Azure App Service (true or false)
  - Default: False
- Key **Rest API \***
  - Read more **Rest API** keys from [here](#)
- Key **Carillon Connection**
  - Configure Centero Carillon database by using a SQL connection string
  - Example 1 (On-prem database)

```
<add key="Carillon Connection" value="Data Source=server.domain.local;initial catalog=Carillon;Integrated Security=SSPI"/>
```

- Example 2 (Azure AD SQL accessed as a SQL user)

```
<add name="Azure SQL" value="DataSource=tcp:name.database.windows.net,1433;Initial Catalog=Carillon;Persist Security Info=False;User ID=SQL_User;Password=SQL_User_Pwd;MultipleActiveResultSets=False;Encrypt=True;TrustServerCertificate=False;Connection Timeout=30;"/>
```

- **Key Carillon Directory Authentication Account**

- Configure user account which is used to connect to Active Directory
- If no user account is configured, Agent Gateway will connect to directory with IIS app pool's identity
- Empty by default

- **Key Carillon Directory Authentication Account Password**

- Password for the directory authentication account. Use Centero Text Crypter tool to encrypt the password
- Empty by default

- **Key Carillon Directory Servers**

- List of directory servers to which Agent Gateway will attempt to connect if directory server names cannot be resolved from DNS using directory DNS name
- Multiple values can be separated with a comma

- **Key Carillon Get Only User Direct Group Memberships**

- Configure if Centero Carillon should get group memberships recursively (false), or find only direct members (true). True value is faster, but then you cannot use nested groups
- Default value: False

- **Key Carillon Do Not Use Native SID to Name Translate**

- Configure if Centero Carillon should attempt to convert SIDs to names. Set the value to "true" to disable SID to name translate feature. Disabling SID translation improves performance, and is recommended on environments with domain trusts and slow connections to trusted domains
- Default value: False

- **Key Carillon Random Password Length**

- Random password length
- Default value: 12

- **Key Carillon Random Password Chars**

- Characters available in random password

- **Key SMTP Server**

- **Key SMTP Server Port**

- **Key From Address**

- **Key ReplyTo Address**

- **Key Log level**

- 0 - No logging

- 1 - Only errors (default)
  - 2 - Errors and warnings
  - 3 - Errors, warnings and information
  - **Key Log targets**
    - Specify log target
    - 1 - Log entries are written to event log
    - 2 - Default. Log entries are written to log file
    - 3 - Log entries are written to log file and event log
  - **Key Debugging**
    - Enable or disable debug logging (true or false)
    - Default: false
  - **Key Log directory**
    - Target folder for logging
    - Default: App\_Data
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