

# Session Configuration

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Starting with V10.0, Cora SeQuence has been renamed to Cora Orchestration.

## V9.3 and later

### Overview

Cora SeQuence uses server-side memory cache and database persistence to store user's session data between requests.

Client-side cookies are used to store session state between requests. Therefore, browser cookies must be enabled and unblocked when running Cora SeQuence site applications.

You can control session cache configuration, database persistence, and browser cookie behavior in the `web.config` file.

### Session properties

Configuration is optional for most properties.

The **application** and **enabled** properties are explicitly tagged in the root position in the `web.config` file.

```
<sequence.engine>
  <web>
    <session application="Flowtime" enabled="true" />
  </web>
</sequence.engine>
```

You can also configure the session properties for some specific location by setting these properties under the `<location path="location name">` tag in the `web.config` file.

Property	Description
<b>enabled</b>	Specifies if the Cora SeQuence session is used or not. <ul style="list-style-type: none"><li><code>&lt;web&gt;</code> : Default value is true</li><li><code>&lt;location path="SequenceServices"&gt;</code> : Default value is false</li></ul>

Property	Description
lifetime	<p>Specifies the time period, in minutes, after which the session authentication cookie expires.</p> <p>Default value: 20</p> <p><b>NOTE</b> To set a value other than default, make sure to configure this property in the root position of the &lt;web&gt; location in the <code>web.config</code> file.</p> <p><b>Starting with V10.2</b>, a session expiration warning message is displayed <i>n</i> minutes before the session authentication cookie expires. You can configure the <code>Portal.Session.SessionWarningCountdownTime</code> application variable to determine when to display the session expiration warning.</p> <p>For details about the application variable, see <a href="#">this article</a>.</p>
sessionCookiePath	<p>Standard browser cookie property.</p> <p>Restricts the cookie to a specific path.</p> <p>Default value: /</p>
maxLifetime	<p>Specifies the time period, in minutes, for maximum cookie expiration.</p> <p><code>maxLifeTime</code> is not a sliding expiration property. For security purposes, login is required after the <code>maxLifeTime</code> period expires, even if the user has been actively using the application during the specified time period.</p> <p>Default value: 1440</p>
sessionCookieSecure	<p>Standard browser cookie property.</p> <p>If set to "true", the cookie is sent with the client's request only over a secure connection (SSL).</p> <p>Default value: false</p> <p><b>NOTE</b> After initial installation, if you have configured the Cora SeQuence web application to work with HTTPS, you need to change the configuration to send the session cookie using secure connection only.</p>
sessionCookieName	<p>Contains the prefix of the unique cookie name as it appears in the browser.</p> <p>The actual cookie name includes the prefix followed by the <i>Application</i> property. For example, <i>SQSessionAdministration</i>.</p> <p>Default value: SQSession</p>
application	<p>Identifies the application name.</p> <p>This property accepts any value when manually configured.</p> <p>Default values: Administration or Flowtime.</p>
sessionCookieDomain	<p>Standard browser cookie property.</p> <p>Specifies the cookie domain.</p> <p>Default value: ""</p>

Property	Description
cacheMaxSize	Specifies the maximum number of sessions stored in the cache. Default value: 0 (unlimited)
cacheItemFade	Time period, in minutes, during which the system keeps the data related to a specific session after the session has finished. Default value: 10
reuseSession	Enables the session token to be reused across browsers or devices for the same user in the same application. <ul style="list-style-type: none"> <li>If set to true, when a user signs in to an application from multiple browsers or devices, the user's session is shared across all access-point clients and the user is not signed out from the previous browser or device.</li> <li>If set to false, the users' session expires on any previously signed-in browser or device.</li> </ul> Default value: true

## V8.7-V9.2

### Overview

Starting with Cora SeSequence V8.7, user data is stored using a session authentication module that can be controlled by a new Session element in the `web.config` file.

Using ASP.NET Session State object for user authentication persistence, referred to as `AuthenticatedUser`, is no longer supported.

The ASP.NET session state is disabled by default in Flowtime installations, but it is still available in Administration installations to support backward compatibility.

### Cora SeSequence session configuration

Cora SeSequence uses a cookie to store users' state between requests. You can configure the `web.config` file to control the usage and attributes of the cookie.

Just like with earlier versions of Cora SeSequence, cookies must be enabled on the client browser to ensure that the Administration and Flowtime sites function properly.

Cora SeSequence generates a unique session cookie name for each site, Administration and Flowtime.

### Properties

The following table describes the attributes that you can configure for Cora SeSequence session.

Configuration is optional.

Property	Description
<b>enabled</b>	<p>Specifies if the Cora SeQuence session is used or not.</p> <p>This property is defined in two locations in the <code>web.config</code> file:</p> <ul style="list-style-type: none"> <li><code>&lt;web&gt;</code> : enabled and used for authentication <ul style="list-style-type: none"> <li>Default value: "true"</li> </ul> </li> <li><code>&lt;location path="SequenceServices"&gt;</code> : by default, the session persistence is disabled for SequenceServices location.</li> </ul>
<b>lifetime</b>	<p>Specifies the time period, in minutes, after which the session authentication cookie expires. Same behavior as in ASP .NET session cookie.</p> <p>Default value: "20"</p>
<b>sessionCookiePath</b>	<p>Standard browser cookie property.</p> <p>Restricts the cookie to a specific path.</p> <p>Default value: "/"</p>
<b>maxLifetime</b>	<p>Specifies the time period, in minutes, for maximum cookie expiration.</p> <p><code>maxLifeTime</code> is not a sliding expiration property. For security purposes, login is required after the <code>maxLifeTime</code> period expires, even if the user has been actively using the application during the specified time period.</p> <p>Default value: "1440"</p>
<b>sessionCookieSecure</b>	<p>Standard browser cookie property.</p> <p>If set to "true", specifies that the cookie is sent with the client's request only over a secure connection (SSL).</p> <p>Default value: "false"</p> <p><b>Note:</b> After initial installation, if you have configured the Cora SeQuence web application to work with HTTPS, you need to change the configuration to send the session cookie using secure connection only.</p>
<b>sessionCookieName</b>	<p>Standard browser cookie property.</p> <p>Contains the prefix of the unique cookie name as it appears in the browser. The unique name is generated dynamically in runtime for each application, and cannot be controlled in the <code>web.config</code> file. The actual cookie name includes the prefix followed by a unique ID. For example, <code>SQSession_123456</code>.</p> <p>Default value: "SQSession"</p>
<b>sessionCookieDomain</b>	<p>Standard browser cookie property.</p> <p>Specifies the cookie domain.</p> <p>Default value: ""</p>

## IMPORTANT

- If you used the ASP.NET *session state* to store and retrieve any data in your Flowtime custom implementation, when you upgrade to V8.7, you need to enable the ASP.NET session state in the `web.config` file.
- In future versions of Cora SeQuence, the ASP.NET *session state* will be disabled by default in Administration installations too.