

How to increase timeout for your ASP.NET Application ?

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A. executionTimeout attribute of httpRuntime element (web.config):

ASP.NET will timeout the request, if it is not completed within “**executionTimeout**” duration value. And System.Web.HttpException: Request timed out exception will be thrown by ASP.NET Application.

executionTimeout attribute of **httpRuntime** element (in the web.config) can be used to change the request timeout duration for ASP.NET Application. **executionTimeout** value is specified in seconds. Default value is 110 seconds.

```
1. <configuration>
2.   <system.web>
3.     <httpRuntime targetFramework="4.5.1" executionTimeout="500" />
4.   </system.web>
5. </configuration>
```

B. timeout attribute of sessionState element (web.config):

If the user remains idle for duration specified in **timeout attribute vaule of sessionState element (in web.config)**, then his session will expire.

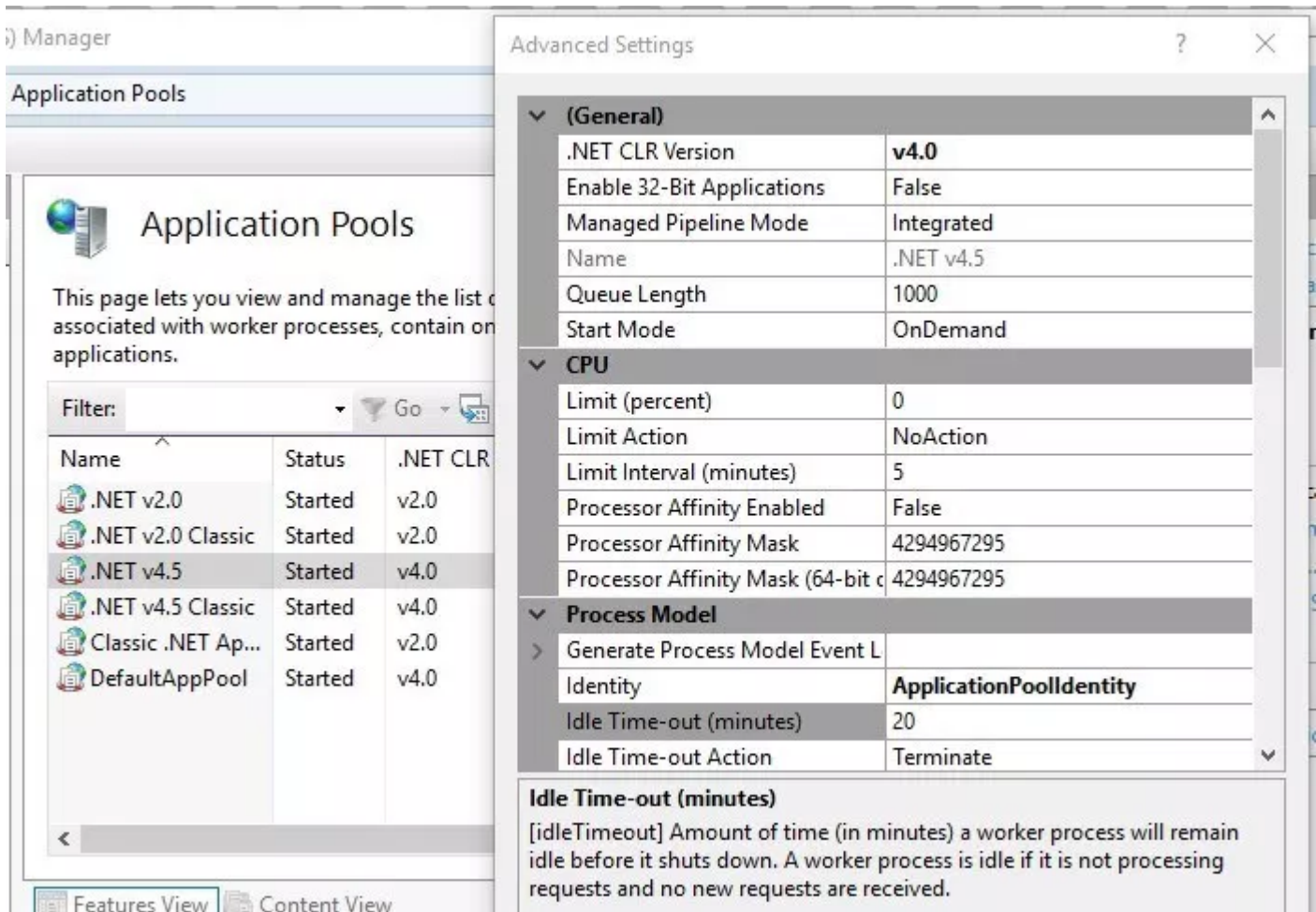
timeout attribute of **sessionState** element (in the web.config) can be used to change session timeout duration for ASP.NET Application. **timeout** value is specified in minutes. Default value is 20 minutes.

```
1. <configuration>
2.   <system.web>
3.     <sessionState timeout="20"></sessionState>
4.   </system.web>
5. </configuration>
```

C. Idle Time-out Settings for an Application Pool (IIS):

If the worker process remain idle for duration specified in **Idle Time-out Settings for an Application Pool** , then worker process will shut down.

Idle Time-out Settings for an Application Pool value is specified in minutes. The default value for **Idle Time-out Settings for an Application Pool** is 20 minutes.



D. SqlCommand.CommandTimeout (SQL SERVER):

ADO.NET will wait for duration specified in `SqlCommand.CommandTimeout` before cancelling the query.

```

1. using (var connection = new SqlConnection(connectionString))
2. {
3.     connection.Open();
4.     SqlCommand command = new SqlCommand(queryString, connection);
5.     // Setting command timeout to 100 second
6.     command.CommandTimeout = 100;
7.     command.ExecuteNonQuery();
8. }

```

`SqlCommand.CommandTimeout` value is specified in seconds. The default value of `SqlCommand.CommandTimeout` is 30 seconds.

E. SqlConnection.ConnectionTimeout:

If connection is not opened within the duration specified in `SqlConnection.ConnectionTimeout`, timeout exception will be thrown.

```

1. Data Source=(local);Initial Catalog=TechCartNow;Integrated Security=SSPI;Connection
   Timeout=30

```