**Redis**

Redis is an open source, advanced key-value store and an apt solution for building high-performance, scalable web applications.

Redis has three main peculiarities that sets it apart.

* Redis holds its database entirely in the memory, using the disk only for persistence.
* Redis has a relatively rich set of data types when compared to many key-value data stores.
* Redis can replicate data to any number of slaves.

**Install on window from here :**

<https://github.com/microsoftarchive/redis/releases/tag/win-3.0.500>

Stable version: **3.0.500**

Start server on our local machine cmd:

* Set the env path of the redis folder
* Then run the command in cmd - redis-cli.exe
* For checking its started run PING and if the response is PONG then the server is successfully starts.

**Connection between dotnet mvc core to redis**:

1. Create a project of asp-.Net core application
2. Install nuGet packages –

* Microsoft.Extensions.Caching.Redis
* ServiceStack.Redis

1. Configure redis in appsetting.json

"redis": {

"host": "127.0.0.1",

"port": 6379,

"name": "localhost"

}

4. Add on Startup.cs

services.AddDistributedRedisCache(options =>

{

options.InstanceName = Configuration.GetValue<string>("redis:name");

options.Configuration = Configuration.GetValue<string>("redis:host");

});

1. Now connection has been established.