

Facultad de Ingeniería Escuela de Computación

Desarrollo de Software Empresarial

Guía 8:Redis

PRESENTADO POR:

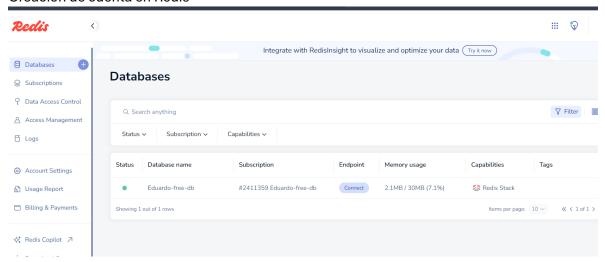
Nombre	Código
Eduardo Josué Deras Mancia	DM201736

Repositorio del procedimiento y desarrollo de habilidades guía 8: https://github.com/EduardMancia48/guia8-des

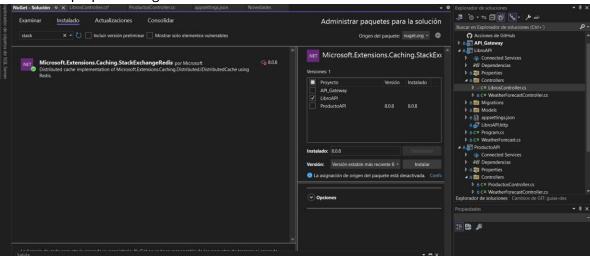
Catedrático: Mg. Emerson Cartagena

Desarrollo de habilidades

1. Creación de cuenta en Redis



2. Instalando paquetes Nuget



3. Configurando appsettings.json

```
### Succer on Exploration de soluciones (Citi+)

| Top-fault ConnectionStrings*; {
| "Pedialt ConnectionStrings*; {
| "Logging*; {
| "Logging*; {
| "Logging*; {
| "Netrosoft.AspNetCore*; "Warning*
| }
| "AllowedHosts*; "*"
| AllowedHosts*; "*"
| "AllowedHosts*; "*"
| "Pedialt*; "Information",
| "Microsoft.AspNetCore*; "Warning**
| "AllowedHosts*; "*"
| "Pedialt*; "Information",
| "Microsoft.AspNetCore*; "Warning*; "AllowedHosts*; "*"
| "AllowedHosts*; "*"
|
```

4. Configurando program.cs:

```
builder.Services.AddDbContext<LibroContext>(options =>
    options.UseSqlServer(builder.Configuration.GetConnectionString("DefaultConnection")));

// Add services to the container.
builder.Services.AddStackExchangeRedisCache(opciones =>
{
    opciones.Configuration = builder.Configuration.GetConnectionString("redis");
});

//Registrar IconnectionMultiplexer
builder.Services.AddSingleton<IConnectionMultiplexer>(sp =>
    {
    var configuration = ConfigurationOptions.Parse(builder.Configuration.GetConnectionString("redis"), true);
    return ConnectionMultiplexer.Connect(configuration);
});
builder.Services.AddControllers();

builder.Services.AddControllers();
```

5. Codigo de LibroController.cs

```
LibroAPI
                                                                       → SLibroAPI.Controllers.LibrosController
                     [Route("api/[controller]")]
[ApiController]
                     1 referencia
public class LibrosController : ControllerBase
{
 Θt
                         private readonly LibroContext _context;
private readonly IConnectionMultiplexer _redis;
                         public LibrosController(LibroContext context, IConnectionMultiplexer redis)
                             var db = _redis.GetDatabase();
string cacheKey = "libroList";
var librosCache = await db.StringGetAsync(cacheKey);
                             return JsonSerializer.Deserialize<List<Libro>>(librosCache);
}
                             var libros = amait _context.LibroSet.ToListAsync();
amait db.StringSetAsync(cacheKey, JsonSerializer.Serialize(libros), TimeSpan.FromMinutes(10));
                                                                                       Scibroapi.Controllers.LibrosController
                         // GET: api/Libros/5
[HttpGet("{id}")]
                          O'referencias
public async Task<ActionResult<Libro>> GetLibro(int id)
{
                               var db = _redis.GetDatabase();
string cacheKey = $"libro_{id}";
var libroCache = await db.StringGetAsync(cacheKey);
                               if (!libroCache.IsNullOrEmpty)
                              return JsonSerializer.Deserialize<Libro>(libroCache);
}
                               var libro = await _context.LibroSet.FindAsync(id);
                                    return NotFound():
                               await db.StringSetAsync(cacheKey, JsonSerializer.Serialize(libro), TimeSpan.FromMinutes(10));
return libro;
                         // PUT: api/Libros/5
[HttpPut("{id}")]
                                    return BadRequest();
                                _context.Entry(libro).State = EntityState.Modified;
```