

# Namespace TokenManager.Api.Controllers

## Classes

[ClientController](#)

[GroupController](#)

[GroupRolesController](#)

[GroupUsersController](#)

[RoleController](#)

[UserController](#)

# Class ClientController

Namespace: [TokenManager.Api.Controllers](#)

Assembly: TokenManager.Api.dll

```
[Route("api/v1")]  
[ApiController]  
[Authorize]  
public class ClientController : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← ClientController

## Inherited Members

[ControllerBase.StatusCode\(int\)](#), [ControllerBase.StatusCode\(int, object\)](#),  
[ControllerBase.Content\(string\)](#), [ControllerBase.Content\(string, string\)](#),  
[ControllerBase.Content\(string, string, Encoding\)](#),  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#), [ControllerBase.NoContent\(\)](#),  
[ControllerBase.Ok\(\)](#), [ControllerBase.Ok\(object\)](#), [ControllerBase.Redirect\(string\)](#),  
[ControllerBase.RedirectPermanent\(string\)](#), [ControllerBase.RedirectPreserveMethod\(string\)](#),  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#), [ControllerBase.LocalRedirect\(string\)](#),  
[ControllerBase.LocalRedirectPermanent\(string\)](#), [ControllerBase.LocalRedirectPreserveMethod\(string\)](#),  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#), [ControllerBase.RedirectToAction\(\)](#),  
[ControllerBase.RedirectToAction\(string\)](#), [ControllerBase.RedirectToAction\(string, object\)](#),  
[ControllerBase.RedirectToAction\(string, string\)](#),  
[ControllerBase.RedirectToAction\(string, string, object\)](#),  
[ControllerBase.RedirectToAction\(string, string, string\)](#),  
[ControllerBase.RedirectToAction\(string, string, object, string\)](#),  
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, object\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#),  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#),  
[ControllerBase.RedirectToRoute\(string\)](#), [ControllerBase.RedirectToRoute\(object\)](#),  
[ControllerBase.RedirectToRoute\(string, object\)](#), [ControllerBase.RedirectToRoute\(string, string\)](#),  
[ControllerBase.RedirectToRoute\(string, object, string\)](#),

[ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(object\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,  
[ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,  
[ControllerBase.RedirectToPage\(string\)](#) , [ControllerBase.RedirectToPage\(string, object\)](#) ,  
[ControllerBase.RedirectToPage\(string, string\)](#) , [ControllerBase.RedirectToPage\(string, string, object\)](#) ,  
[ControllerBase.RedirectToPage\(string, string, string\)](#) ,  
[ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,  
[ControllerBase.File\(byte\[\], string, string\)](#) , [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,  
[ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,  
[ControllerBase.File\(Stream, string, string\)](#) , [ControllerBase.File\(Stream, string, string, bool\)](#) ,  
[ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,  
[ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,  
[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.PhysicalFile\(string, string\)](#) , [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,  
[ControllerBase.PhysicalFile\(string, string, string\)](#) ,  
[ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,  
[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,

[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#),  
[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.Unauthorized\(\)](#), [ControllerBase.Unauthorized\(object\)](#), [ControllerBase.NotFound\(\)](#),  
[ControllerBase.NotFound\(object\)](#), [ControllerBase.BadRequest\(\)](#),  
[ControllerBase.BadRequest\(object\)](#), [ControllerBase.BadRequest\(ModelStateDictionary\)](#),  
[ControllerBase.UnprocessableEntity\(\)](#), [ControllerBase.UnprocessableEntity\(object\)](#),  
[ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#), [ControllerBase.Conflict\(\)](#),  
[ControllerBase.Conflict\(object\)](#), [ControllerBase.Conflict\(ModelStateDictionary\)](#),  
[ControllerBase.Problem\(string, string, int?, string, string\)](#),  
[ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#),  
[ControllerBase.ValidationProblem\(ModelStateDictionary\)](#), [ControllerBase.ValidationProblem\(\)](#),  
[ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#),  
[ControllerBase.Created\(\)](#), [ControllerBase.Created\(string, object\)](#),  
[ControllerBase.Created\(Uri, object\)](#), [ControllerBase.CreatedAtAction\(string, object\)](#),  
[ControllerBase.CreatedAtAction\(string, object, object\)](#),  
[ControllerBase.CreatedAtAction\(string, string, object, object\)](#),  
[ControllerBase.CreatedAtRoute\(string, object\)](#), [ControllerBase.CreatedAtRoute\(object, object\)](#),  
[ControllerBase.CreatedAtRoute\(string, object, object\)](#), [ControllerBase.Accepted\(\)](#),  
[ControllerBase.Accepted\(object\)](#), [ControllerBase.Accepted\(Uri\)](#), [ControllerBase.Accepted\(string\)](#),  
[ControllerBase.Accepted\(string, object\)](#), [ControllerBase.Accepted\(Uri, object\)](#),  
[ControllerBase.AcceptedAtAction\(string\)](#), [ControllerBase.AcceptedAtAction\(string, string\)](#),  
[ControllerBase.AcceptedAtAction\(string, object\)](#),  
[ControllerBase.AcceptedAtAction\(string, string, object\)](#),  
[ControllerBase.AcceptedAtAction\(string, object, object\)](#),  
[ControllerBase.AcceptedAtRoute\(object\)](#), [ControllerBase.AcceptedAtRoute\(string\)](#),  
[ControllerBase.AcceptedAtRoute\(string, object\)](#), [ControllerBase.AcceptedAtRoute\(object, object\)](#),  
[ControllerBase.AcceptedAtRoute\(string, object, object\)](#), [ControllerBase.Challenge\(\)](#),  
[ControllerBase.Challenge\(params string\[\]\)](#), [ControllerBase.Challenge\(AuthenticationProperties\)](#),  
[ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#), [ControllerBase.Forbid\(\)](#),  
[ControllerBase.Forbid\(params string\[\]\)](#), [ControllerBase.Forbid\(AuthenticationProperties\)](#),  
[ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal\)](#), [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#), [ControllerBase.SignOut\(\)](#),  
[ControllerBase.SignOut\(AuthenticationProperties\)](#), [ControllerBase.SignOut\(params string\[\]\)](#),  
[ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#),

[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object> >\[\]\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object> >\[\]\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#),  
[ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#),  
[ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#),  
[ControllerBase.TryValidateModel\(object\)](#), [ControllerBase.TryValidateModel\(object, string\)](#),  
[ControllerBase.HttpContext](#), [ControllerBase.Request](#), [ControllerBase.Response](#),  
[ControllerBase.RouteData](#), [ControllerBase.ModelState](#), [ControllerBase.ControllerContext](#),  
[ControllerBase.MetadataProvider](#), [ControllerBase.ModelBinderFactory](#), [ControllerBase.Url](#),  
[ControllerBase.ObjectValidator](#), [ControllerBase.ProblemDetailsFactory](#), [ControllerBase.User](#),  
[ControllerBase.Empty](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),  
[object.GetHashCode\(\)](#), [object.GetType\(\)](#), [object.MemberwiseClone\(\)](#),  
[object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

## Constructors

### ClientController(IMediator)

```
public ClientController(IMediator mediator)
```

#### Parameters

**mediator** IMediator

## Methods

### GetClients(string, CancellationToken)

Get all clients existing on the keycloak realm.

```
[HttpGet]
[Route("getClients/{tenant}", Name = "GetClients")]
```

```
[ProducesResponseType(200)]  
[ProducesResponseType(500)]  
[ProducesResponseType(400)]  
[RequiredRole("Feijuca.ApiReader")]  
public Task<IActionResult> GetClients(string tenant, CancellationToken cancellationToken)
```

## Parameters

tenant [string](#)

cancellationToken [CancellationToken](#)

## Returns

[Task](#) <[IActionResult](#) >

A status code related to the operation.

# Class GroupController

Namespace: [TokenManager.Api.Controllers](#)

Assembly: TokenManager.Api.dll

```
[Route("api/v1")]  
[ApiController]  
[Authorize]  
public class GroupController : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← GroupController

## Inherited Members

[ControllerBase.StatusCode\(int\)](#), [ControllerBase.StatusCode\(int, object\)](#),  
[ControllerBase.Content\(string\)](#), [ControllerBase.Content\(string, string\)](#),  
[ControllerBase.Content\(string, string, Encoding\)](#),  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#), [ControllerBase.NoContent\(\)](#),  
[ControllerBase.Ok\(\)](#), [ControllerBase.Ok\(object\)](#), [ControllerBase.Redirect\(string\)](#),  
[ControllerBase.RedirectPermanent\(string\)](#), [ControllerBase.RedirectPreserveMethod\(string\)](#),  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#), [ControllerBase.LocalRedirect\(string\)](#),  
[ControllerBase.LocalRedirectPermanent\(string\)](#), [ControllerBase.LocalRedirectPreserveMethod\(string\)](#),  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#), [ControllerBase.RedirectToAction\(\)](#),  
[ControllerBase.RedirectToAction\(string\)](#), [ControllerBase.RedirectToAction\(string, object\)](#),  
[ControllerBase.RedirectToAction\(string, string\)](#),  
[ControllerBase.RedirectToAction\(string, string, object\)](#),  
[ControllerBase.RedirectToAction\(string, string, string\)](#),  
[ControllerBase.RedirectToAction\(string, string, object, string\)](#),  
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, object\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#),  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#),  
[ControllerBase.RedirectToRoute\(string\)](#), [ControllerBase.RedirectToRoute\(object\)](#),  
[ControllerBase.RedirectToRoute\(string, object\)](#), [ControllerBase.RedirectToRoute\(string, string\)](#),  
[ControllerBase.RedirectToRoute\(string, object, string\)](#),

[ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(object\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,  
[ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,  
[ControllerBase.RedirectToPage\(string\)](#) , [ControllerBase.RedirectToPage\(string, object\)](#) ,  
[ControllerBase.RedirectToPage\(string, string\)](#) , [ControllerBase.RedirectToPage\(string, string, object\)](#) ,  
[ControllerBase.RedirectToPage\(string, string, string\)](#) ,  
[ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,  
[ControllerBase.File\(byte\[\], string, string\)](#) , [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,  
[ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,  
[ControllerBase.File\(Stream, string, string\)](#) , [ControllerBase.File\(Stream, string, string, bool\)](#) ,  
[ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,  
[ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,  
[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.PhysicalFile\(string, string\)](#) , [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,  
[ControllerBase.PhysicalFile\(string, string, string\)](#) ,  
[ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,  
[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,



[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#),  
[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.Unauthorized\(\)](#), [ControllerBase.Unauthorized\(object\)](#), [ControllerBase.NotFound\(\)](#),  
[ControllerBase.NotFound\(object\)](#), [ControllerBase.BadRequest\(\)](#),  
[ControllerBase.BadRequest\(object\)](#), [ControllerBase.BadRequest\(ModelStateDictionary\)](#),  
[ControllerBase.UnprocessableEntity\(\)](#), [ControllerBase.UnprocessableEntity\(object\)](#),  
[ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#), [ControllerBase.Conflict\(\)](#),  
[ControllerBase.Conflict\(object\)](#), [ControllerBase.Conflict\(ModelStateDictionary\)](#),  
[ControllerBase.Problem\(string, string, int?, string, string\)](#),  
[ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#),  
[ControllerBase.ValidationProblem\(ModelStateDictionary\)](#), [ControllerBase.ValidationProblem\(\)](#),  
[ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#),  
[ControllerBase.Created\(\)](#), [ControllerBase.Created\(string, object\)](#),  
[ControllerBase.Created\(Uri, object\)](#), [ControllerBase.CreatedAtAction\(string, object\)](#),  
[ControllerBase.CreatedAtAction\(string, object, object\)](#),  
[ControllerBase.CreatedAtAction\(string, string, object, object\)](#),  
[ControllerBase.CreatedAtRoute\(string, object\)](#), [ControllerBase.CreatedAtRoute\(object, object\)](#),  
[ControllerBase.CreatedAtRoute\(string, object, object\)](#), [ControllerBase.Accepted\(\)](#),  
[ControllerBase.Accepted\(object\)](#), [ControllerBase.Accepted\(Uri\)](#), [ControllerBase.Accepted\(string\)](#),  
[ControllerBase.Accepted\(string, object\)](#), [ControllerBase.Accepted\(Uri, object\)](#),  
[ControllerBase.AcceptedAtAction\(string\)](#), [ControllerBase.AcceptedAtAction\(string, string\)](#),  
[ControllerBase.AcceptedAtAction\(string, object\)](#),  
[ControllerBase.AcceptedAtAction\(string, string, object\)](#),  
[ControllerBase.AcceptedAtAction\(string, object, object\)](#),  
[ControllerBase.AcceptedAtRoute\(object\)](#), [ControllerBase.AcceptedAtRoute\(string\)](#),  
[ControllerBase.AcceptedAtRoute\(string, object\)](#), [ControllerBase.AcceptedAtRoute\(object, object\)](#),  
[ControllerBase.AcceptedAtRoute\(string, object, object\)](#), [ControllerBase.Challenge\(\)](#),  
[ControllerBase.Challenge\(params string\[\]\)](#), [ControllerBase.Challenge\(AuthenticationProperties\)](#),  
[ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#), [ControllerBase.Forbid\(\)](#),  
[ControllerBase.Forbid\(params string\[\]\)](#), [ControllerBase.Forbid\(AuthenticationProperties\)](#),  
[ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal\)](#), [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#), [ControllerBase.SignOut\(\)](#),  
[ControllerBase.SignOut\(AuthenticationProperties\)](#), [ControllerBase.SignOut\(params string\[\]\)](#),  
[ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#),

[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#),  
[ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#),  
[ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#),  
[ControllerBase.TryValidateModel\(object\)](#), [ControllerBase.TryValidateModel\(object, string\)](#),  
[ControllerBase.HttpContext](#), [ControllerBase.Request](#), [ControllerBase.Response](#),  
[ControllerBase.RouteData](#), [ControllerBase.ModelState](#), [ControllerBase.ControllerContext](#),  
[ControllerBase.MetadataProvider](#), [ControllerBase.ModelBinderFactory](#), [ControllerBase.Url](#),  
[ControllerBase.ObjectValidator](#), [ControllerBase.ProblemDetailsFactory](#), [ControllerBase.User](#),  
[ControllerBase.Empty](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),  
[object.GetHashCode\(\)](#), [object.GetType\(\)](#), [object.MemberwiseClone\(\)](#),  
[object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

## Constructors

### GroupController(IMediator)

```
public GroupController(IMediator mediator)
```

#### Parameters

**mediator** IMediator

## Methods

### CreateGroup(string, AddGroupRequest, CancellationToken)

Add a new group on the keycloak realm.

```
[HttpPost]  
[Route("createGroup/{tenant}", Name = "CreateGroup")]
```

```
[ProducesResponseType(201)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[RequiredRole("Feijuca.ApiWriter")]
public Task<IActionResult> CreateGroup(string tenant, AddGroupRequest addGroupRequest,
Cancellation token cancellationToken)
```

## Parameters

**tenant** [string](#)

**addGroupRequest** AddGroupRequest

**cancellationToken** [Cancellation token](#)

## Returns

[Task](#) <[IActionResult](#)>

A status code related to the operation.

## DeleteGroup(string, Guid, Cancellation token)

Delete an existing group on the keycloak realm.

```
[HttpDelete]
[Route("deleteGroup/{tenant}/{id:guid}", Name = "DeleteGroup")]
[ProducesResponseType(201)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[RequiredRole("Feijuca.ApiWriter")]
public Task<IActionResult> DeleteGroup(string tenant, Guid id,
Cancellation token cancellationToken)
```

## Parameters

**tenant** [string](#)

**id** [Guid](#)

**cancellationToken** [Cancellation token](#)

## Returns

[Task](#) <[IActionResult](#)>

A status code related to the operation.

## GetGroups(string, CancellationToken)

Get all groups existing on the keycloak realm.

```
[HttpGet]
[Route("getGroups/{tenant}", Name = "GetGroups")]
[ProducesResponseType(200)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[RequiredRole("Feijuca.ApiReader")]
public Task<IActionResult> GetGroups(string tenant, CancellationToken cancellationToken)
```

## Parameters

**tenant** [string](#)

**cancellationToken** [CancellationToken](#)

## Returns

[Task](#) <[IActionResult](#)>

A status code related to the operation.

# Class GroupRolesController

Namespace: [TokenManager.Api.Controllers](#)

Assembly: TokenManager.Api.dll

```
[Route("api/v1")]  
[ApiController]  
[Authorize]  
public class GroupRolesController : ControllerBase
```

## Inheritance

[object](#)  ← [ControllerBase](#)  ← GroupRolesController

## Inherited Members

[ControllerBase.StatusCode\(int\)](#)  , [ControllerBase.StatusCode\(int, object\)](#)  ,  
[ControllerBase.Content\(string\)](#)  , [ControllerBase.Content\(string, string\)](#)  ,  
[ControllerBase.Content\(string, string, Encoding\)](#)  ,  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#)  , [ControllerBase.NoContent\(\)](#)  ,  
[ControllerBase.Ok\(\)](#)  , [ControllerBase.Ok\(object\)](#)  , [ControllerBase.Redirect\(string\)](#)  ,  
[ControllerBase.RedirectPermanent\(string\)](#)  , [ControllerBase.RedirectPreserveMethod\(string\)](#)  ,  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#)  , [ControllerBase.LocalRedirect\(string\)](#)  ,  
[ControllerBase.LocalRedirectPermanent\(string\)](#)  , [ControllerBase.LocalRedirectPreserveMethod\(string\)](#)  ,  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#)  , [ControllerBase.RedirectToAction\(\)](#)  ,  
[ControllerBase.RedirectToAction\(string\)](#)  , [ControllerBase.RedirectToAction\(string, object\)](#)  ,  
[ControllerBase.RedirectToAction\(string, string\)](#)  ,  
[ControllerBase.RedirectToAction\(string, string, object\)](#)  ,  
[ControllerBase.RedirectToAction\(string, string, string\)](#)  ,  
[ControllerBase.RedirectToAction\(string, string, object, string\)](#)  ,  
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#)  ,  
[ControllerBase.RedirectToActionPermanent\(string\)](#)  ,  
[ControllerBase.RedirectToActionPermanent\(string, object\)](#)  ,  
[ControllerBase.RedirectToActionPermanent\(string, string\)](#)  ,  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#)  ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#)  ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#)  ,  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#)  ,  
[ControllerBase.RedirectToRoute\(string\)](#)  , [ControllerBase.RedirectToRoute\(object\)](#)  ,  
[ControllerBase.RedirectToRoute\(string, object\)](#)  , [ControllerBase.RedirectToRoute\(string, string\)](#)  ,  
[ControllerBase.RedirectToRoute\(string, object, string\)](#)  ,

[ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(object\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,  
[ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,  
[ControllerBase.RedirectToPage\(string\)](#) , [ControllerBase.RedirectToPage\(string, object\)](#) ,  
[ControllerBase.RedirectToPage\(string, string\)](#) , [ControllerBase.RedirectToPage\(string, string, object\)](#) ,  
[ControllerBase.RedirectToPage\(string, string, string\)](#) ,  
[ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,  
[ControllerBase.File\(byte\[\], string, string\)](#) , [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,  
[ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,  
[ControllerBase.File\(Stream, string, string\)](#) , [ControllerBase.File\(Stream, string, string, bool\)](#) ,  
[ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,  
[ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,  
[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.PhysicalFile\(string, string\)](#) , [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,  
[ControllerBase.PhysicalFile\(string, string, string\)](#) ,  
[ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,  
[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,

[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#),  
[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.Unauthorized\(\)](#), [ControllerBase.Unauthorized\(object\)](#), [ControllerBase.NotFound\(\)](#),  
[ControllerBase.NotFound\(object\)](#), [ControllerBase.BadRequest\(\)](#),  
[ControllerBase.BadRequest\(object\)](#), [ControllerBase.BadRequest\(ModelStateDictionary\)](#),  
[ControllerBase.UnprocessableEntity\(\)](#), [ControllerBase.UnprocessableEntity\(object\)](#),  
[ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#), [ControllerBase.Conflict\(\)](#),  
[ControllerBase.Conflict\(object\)](#), [ControllerBase.Conflict\(ModelStateDictionary\)](#),  
[ControllerBase.Problem\(string, string, int?, string, string\)](#),  
[ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#),  
[ControllerBase.ValidationProblem\(ModelStateDictionary\)](#), [ControllerBase.ValidationProblem\(\)](#),  
[ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#),  
[ControllerBase.Created\(\)](#), [ControllerBase.Created\(string, object\)](#),  
[ControllerBase.Created\(Uri, object\)](#), [ControllerBase.CreatedAtAction\(string, object\)](#),  
[ControllerBase.CreatedAtAction\(string, object, object\)](#),  
[ControllerBase.CreatedAtAction\(string, string, object, object\)](#),  
[ControllerBase.CreatedAtRoute\(string, object\)](#), [ControllerBase.CreatedAtRoute\(object, object\)](#),  
[ControllerBase.CreatedAtRoute\(string, object, object\)](#), [ControllerBase.Accepted\(\)](#),  
[ControllerBase.Accepted\(object\)](#), [ControllerBase.Accepted\(Uri\)](#), [ControllerBase.Accepted\(string\)](#),  
[ControllerBase.Accepted\(string, object\)](#), [ControllerBase.Accepted\(Uri, object\)](#),  
[ControllerBase.AcceptedAtAction\(string\)](#), [ControllerBase.AcceptedAtAction\(string, string\)](#),  
[ControllerBase.AcceptedAtAction\(string, object\)](#),  
[ControllerBase.AcceptedAtAction\(string, string, object\)](#),  
[ControllerBase.AcceptedAtAction\(string, object, object\)](#),  
[ControllerBase.AcceptedAtRoute\(object\)](#), [ControllerBase.AcceptedAtRoute\(string\)](#),  
[ControllerBase.AcceptedAtRoute\(string, object\)](#), [ControllerBase.AcceptedAtRoute\(object, object\)](#),  
[ControllerBase.AcceptedAtRoute\(string, object, object\)](#), [ControllerBase.Challenge\(\)](#),  
[ControllerBase.Challenge\(params string\[\]\)](#), [ControllerBase.Challenge\(AuthenticationProperties\)](#),  
[ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#), [ControllerBase.Forbid\(\)](#),  
[ControllerBase.Forbid\(params string\[\]\)](#), [ControllerBase.Forbid\(AuthenticationProperties\)](#),  
[ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal\)](#), [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#), [ControllerBase.SignOut\(\)](#),  
[ControllerBase.SignOut\(AuthenticationProperties\)](#), [ControllerBase.SignOut\(params string\[\]\)](#),  
[ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#),

[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object> >\[\]\)](#) ,  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object> >\[\]\)](#) ,  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
[ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,  
[ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
[ControllerBase.TryValidateModel\(object\)](#) , [ControllerBase.TryValidateModel\(object, string\)](#) ,  
[ControllerBase.HttpContext](#) , [ControllerBase.Request](#) , [ControllerBase.Response](#) ,  
[ControllerBase.RouteData](#) , [ControllerBase.ModelState](#) , [ControllerBase.ControllerContext](#) ,  
[ControllerBase.MetadataProvider](#) , [ControllerBase.ModelBinderFactory](#) , [ControllerBase.Url](#) ,  
[ControllerBase.ObjectValidator](#) , [ControllerBase.ProblemDetailsFactory](#) , [ControllerBase.User](#) ,  
[ControllerBase.Empty](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### GroupRolesController(IMediator)

```
public GroupRolesController(IMediator mediator)
```

#### Parameters

**mediator** IMediator

## Methods

### AddRoleToGroup(string, RoleToGroupRequest, CancellationToken)

Add a role to a specific group in the Keycloak realm.



```

[HttpPost]
[Route("addRoleToGroup/{tenant}", Name = "AddRoleToGroup")]
[ProducesResponseType(204)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[RequiredRole("Feijuca.ApiWriter")]
public Task<IActionResult> AddRoleToGroup(string tenant, RoleToGroupRequest addRoleToGroup,
CancellationTokens cancellationTokens)

```

## Parameters

**tenant** [string](#)

**addRoleToGroup** RoleToGroupRequest

**cancellationTokens** [CancellationTokens](#)

## Returns

[Task](#) <[IActionResult](#)>

A status code related to the operation.

## GetGroupRoles(string, string, CancellationTokens)

Get a roles associated to a group.

```

[HttpGet]
[Route("getGroupRoles/{tenant}/{groupId}", Name = "GetGroupRoles")]
[ProducesResponseType(204)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[RequiredRole("Feijuca.ApiReader")]
public Task<IActionResult> GetGroupRoles(string tenant, string groupId,
CancellationTokens cancellationTokens)

```

## Parameters

**tenant** [string](#)

**groupId** [string](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#) <[IActionResult](#)>

A status code related to the operation.

## RemoveRoleToGroup(string, RoleToGroupRequest, CancellationTokens)

Remove a role to a specific group in the Keycloak realm.

```
[HttpDelete]
[Route("removeRoleToGroup/{tenant}", Name = "RemoveRoleToGroup")]
[ProducesResponseType(204)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[RequiredRole("Feijuca.ApiWriter")]
public Task<IActionResult> RemoveRoleToGroup(string tenant, RoleToGroupRequest
removeRoleFromGroup, CancellationTokens cancellationTokens)
```

Parameters

`tenant` [string](#)

`removeRoleFromGroup` [RoleToGroupRequest](#)

`cancellationToken` [CancellationToken](#)

Returns

[Task](#) <[IActionResult](#)>

A status code related to the operation.

# Class GroupUsersController

Namespace: [TokenManager.Api.Controllers](#)

Assembly: TokenManager.Api.dll

```
[Route("api/v1")]  
[ApiController]  
[Authorize]  
public class GroupUsersController : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← GroupUsersController

## Inherited Members

[ControllerBase.StatusCode\(int\)](#), [ControllerBase.StatusCode\(int, object\)](#),  
[ControllerBase.Content\(string\)](#), [ControllerBase.Content\(string, string\)](#),  
[ControllerBase.Content\(string, string, Encoding\)](#),  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#), [ControllerBase.NoContent\(\)](#),  
[ControllerBase.Ok\(\)](#), [ControllerBase.Ok\(object\)](#), [ControllerBase.Redirect\(string\)](#),  
[ControllerBase.RedirectPermanent\(string\)](#), [ControllerBase.RedirectPreserveMethod\(string\)](#),  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#), [ControllerBase.LocalRedirect\(string\)](#),  
[ControllerBase.LocalRedirectPermanent\(string\)](#), [ControllerBase.LocalRedirectPreserveMethod\(string\)](#),  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#), [ControllerBase.RedirectToAction\(\)](#),  
[ControllerBase.RedirectToAction\(string\)](#), [ControllerBase.RedirectToAction\(string, object\)](#),  
[ControllerBase.RedirectToAction\(string, string\)](#),  
[ControllerBase.RedirectToAction\(string, string, object\)](#),  
[ControllerBase.RedirectToAction\(string, string, string\)](#),  
[ControllerBase.RedirectToAction\(string, string, object, string\)](#),  
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, object\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#),  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#),  
[ControllerBase.RedirectToRoute\(string\)](#), [ControllerBase.RedirectToRoute\(object\)](#),  
[ControllerBase.RedirectToRoute\(string, object\)](#), [ControllerBase.RedirectToRoute\(string, string\)](#),  
[ControllerBase.RedirectToRoute\(string, object, string\)](#),

[ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#),  
[ControllerBase.RedirectToRoutePermanent\(string\)](#),  
[ControllerBase.RedirectToRoutePermanent\(object\)](#),  
[ControllerBase.RedirectToRoutePermanent\(string, object\)](#),  
[ControllerBase.RedirectToRoutePermanent\(string, string\)](#),  
[ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#),  
[ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#),  
[ControllerBase.RedirectToPage\(string\)](#), [ControllerBase.RedirectToPage\(string, object\)](#),  
[ControllerBase.RedirectToPage\(string, string\)](#), [ControllerBase.RedirectToPage\(string, string, object\)](#),  
[ControllerBase.RedirectToPage\(string, string, string\)](#),  
[ControllerBase.RedirectToPage\(string, string, object, string\)](#),  
[ControllerBase.RedirectToPagePermanent\(string\)](#),  
[ControllerBase.RedirectToPagePermanent\(string, object\)](#),  
[ControllerBase.RedirectToPagePermanent\(string, string\)](#),  
[ControllerBase.RedirectToPagePermanent\(string, string, string\)](#),  
[ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#),  
[ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#),  
[ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#),  
[ControllerBase.File\(byte\[\], string\)](#), [ControllerBase.File\(byte\[\], string, bool\)](#),  
[ControllerBase.File\(byte\[\], string, string\)](#), [ControllerBase.File\(byte\[\], string, string, bool\)](#),  
[ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#),  
[ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#),  
[ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.File\(Stream, string\)](#), [ControllerBase.File\(Stream, string, bool\)](#),  
[ControllerBase.File\(Stream, string, string\)](#), [ControllerBase.File\(Stream, string, string, bool\)](#),  
[ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#),  
[ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#),  
[ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.File\(string, string\)](#), [ControllerBase.File\(string, string, bool\)](#),  
[ControllerBase.File\(string, string, string\)](#), [ControllerBase.File\(string, string, string, bool\)](#),  
[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#),  
[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#),  
[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.PhysicalFile\(string, string\)](#), [ControllerBase.PhysicalFile\(string, string, bool\)](#),  
[ControllerBase.PhysicalFile\(string, string, string\)](#),  
[ControllerBase.PhysicalFile\(string, string, string, bool\)](#),  
[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#),

[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#),  
[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.Unauthorized\(\)](#), [ControllerBase.Unauthorized\(object\)](#), [ControllerBase.NotFound\(\)](#),  
[ControllerBase.NotFound\(object\)](#), [ControllerBase.BadRequest\(\)](#),  
[ControllerBase.BadRequest\(object\)](#), [ControllerBase.BadRequest\(ModelStateDictionary\)](#),  
[ControllerBase.UnprocessableEntity\(\)](#), [ControllerBase.UnprocessableEntity\(object\)](#),  
[ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#), [ControllerBase.Conflict\(\)](#),  
[ControllerBase.Conflict\(object\)](#), [ControllerBase.Conflict\(ModelStateDictionary\)](#),  
[ControllerBase.Problem\(string, string, int?, string, string\)](#),  
[ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#),  
[ControllerBase.ValidationProblem\(ModelStateDictionary\)](#), [ControllerBase.ValidationProblem\(\)](#),  
[ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#),  
[ControllerBase.Created\(\)](#), [ControllerBase.Created\(string, object\)](#),  
[ControllerBase.Created\(Uri, object\)](#), [ControllerBase.CreatedAtAction\(string, object\)](#),  
[ControllerBase.CreatedAtAction\(string, object, object\)](#),  
[ControllerBase.CreatedAtAction\(string, string, object, object\)](#),  
[ControllerBase.CreatedAtRoute\(string, object\)](#), [ControllerBase.CreatedAtRoute\(object, object\)](#),  
[ControllerBase.CreatedAtRoute\(string, object, object\)](#), [ControllerBase.Accepted\(\)](#),  
[ControllerBase.Accepted\(object\)](#), [ControllerBase.Accepted\(Uri\)](#), [ControllerBase.Accepted\(string\)](#),  
[ControllerBase.Accepted\(string, object\)](#), [ControllerBase.Accepted\(Uri, object\)](#),  
[ControllerBase.AcceptedAtAction\(string\)](#), [ControllerBase.AcceptedAtAction\(string, string\)](#),  
[ControllerBase.AcceptedAtAction\(string, object\)](#),  
[ControllerBase.AcceptedAtAction\(string, string, object\)](#),  
[ControllerBase.AcceptedAtAction\(string, object, object\)](#),  
[ControllerBase.AcceptedAtRoute\(object\)](#), [ControllerBase.AcceptedAtRoute\(string\)](#),  
[ControllerBase.AcceptedAtRoute\(string, object\)](#), [ControllerBase.AcceptedAtRoute\(object, object\)](#),  
[ControllerBase.AcceptedAtRoute\(string, object, object\)](#), [ControllerBase.Challenge\(\)](#),  
[ControllerBase.Challenge\(params string\[\]\)](#), [ControllerBase.Challenge\(AuthenticationProperties\)](#),  
[ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#), [ControllerBase.Forbid\(\)](#),  
[ControllerBase.Forbid\(params string\[\]\)](#), [ControllerBase.Forbid\(AuthenticationProperties\)](#),  
[ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal\)](#), [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#), [ControllerBase.SignOut\(\)](#),  
[ControllerBase.SignOut\(AuthenticationProperties\)](#), [ControllerBase.SignOut\(params string\[\]\)](#),  
[ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#),

[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#),  
[ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#),  
[ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#),  
[ControllerBase.TryValidateModel\(object\)](#), [ControllerBase.TryValidateModel\(object, string\)](#),  
[ControllerBase.HttpContext](#), [ControllerBase.Request](#), [ControllerBase.Response](#),  
[ControllerBase.RouteData](#), [ControllerBase.ModelState](#), [ControllerBase.ControllerContext](#),  
[ControllerBase.MetadataProvider](#), [ControllerBase.ModelBinderFactory](#), [ControllerBase.Url](#),  
[ControllerBase.ObjectValidator](#), [ControllerBase.ProblemDetailsFactory](#), [ControllerBase.User](#),  
[ControllerBase.Empty](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),  
[object.GetHashCode\(\)](#), [object.GetType\(\)](#), [object.MemberwiseClone\(\)](#),  
[object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

## Constructors

### GroupUsersController(IMediator)

```
public GroupUsersController(IMediator mediator)
```

#### Parameters

**mediator** IMediator

## Methods

### AddUserToGroup(string, Guid, Guid, CancellationToken)

Add a user to a specific group in the Keycloak realm.

```
[HttpPost]  
[Route("addUserToGroup/{tenant}/{userId:guid}/{groupId:guid}", Name = "AddUserToGroup")]
```

```
[ProducesResponseType(204)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[RequiredRole("Feijuca.ApiWriter")]
public Task<IActionResult> AddUserToGroup(string tenant, Guid userId, Guid groupId,
Cancellation token cancellationToken)
```

## Parameters

tenant [string](#)

userId [Guid](#)

groupId [Guid](#)

cancellation token [Cancellation token](#)

## Returns

[Task](#) <[IActionResult](#)>

A status code related to the operation.

## GetUsersInGroup(string, string, Cancellation token)

Get all users presents on a group in the Keycloak realm.

```
[HttpGet]
[Route("getUsersInGroup/{tenant}/{groupId}", Name = "GetUsersInGroup")]
[ProducesResponseType(204)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[RequiredRole("Feijuca.ApiReader")]
public Task<IActionResult> GetUsersInGroup(string tenant, string groupId,
Cancellation token cancellationToken)
```

## Parameters

tenant [string](#)

groupId [string](#)

cancellationToken [CancellationToken](#)

Returns

[Task](#) <[IActionResult](#)>

A status code related to the operation.

## RemoveUserFromGroup(string, Guid, Guid, CancellationTokens)

Add a user to a specific group in the Keycloak realm.

```
[HttpDelete]
[Route("removeUserFromGroup/{tenant}/{userId:guid}/{groupId:guid}", Name
= "RemoveUserFromGroup")]
[ProducesResponseType(204)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[RequiredRole("Feijuca.ApiWriter")]
public Task<IActionResult> RemoveUserFromGroup(string tenant, Guid userId, Guid groupId,
CancellationTokens cancellationTokens)
```

Parameters

tenant [string](#)

userId [Guid](#)

groupId [Guid](#)

cancellationToken [CancellationTokens](#)

Returns

[Task](#) <[IActionResult](#)>

A status code related to the operation.



# Class RoleController

Namespace: [TokenManager.Api.Controllers](#)

Assembly: TokenManager.Api.dll

```
[Route("api/v1")]  
[ApiController]  
[Authorize]  
public class RoleController : ControllerBase
```

## Inheritance

[object](#) ← [ControllerBase](#) ← RoleController

## Inherited Members

[ControllerBase.StatusCode\(int\)](#), [ControllerBase.StatusCode\(int, object\)](#),  
[ControllerBase.Content\(string\)](#), [ControllerBase.Content\(string, string\)](#),  
[ControllerBase.Content\(string, string, Encoding\)](#),  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#), [ControllerBase.NoContent\(\)](#),  
[ControllerBase.Ok\(\)](#), [ControllerBase.Ok\(object\)](#), [ControllerBase.Redirect\(string\)](#),  
[ControllerBase.RedirectPermanent\(string\)](#), [ControllerBase.RedirectPreserveMethod\(string\)](#),  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#), [ControllerBase.LocalRedirect\(string\)](#),  
[ControllerBase.LocalRedirectPermanent\(string\)](#), [ControllerBase.LocalRedirectPreserveMethod\(string\)](#),  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#), [ControllerBase.RedirectToAction\(\)](#),  
[ControllerBase.RedirectToAction\(string\)](#), [ControllerBase.RedirectToAction\(string, object\)](#),  
[ControllerBase.RedirectToAction\(string, string\)](#),  
[ControllerBase.RedirectToAction\(string, string, object\)](#),  
[ControllerBase.RedirectToAction\(string, string, string\)](#),  
[ControllerBase.RedirectToAction\(string, string, object, string\)](#),  
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, object\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#),  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#),  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#),  
[ControllerBase.RedirectToRoute\(string\)](#), [ControllerBase.RedirectToRoute\(object\)](#),  
[ControllerBase.RedirectToRoute\(string, object\)](#), [ControllerBase.RedirectToRoute\(string, string\)](#),  
[ControllerBase.RedirectToRoute\(string, object, string\)](#),

[ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(object\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#) ,  
[ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\)](#) ,  
[ControllerBase.RedirectToPage\(string\)](#) , [ControllerBase.RedirectToPage\(string, object\)](#) ,  
[ControllerBase.RedirectToPage\(string, string\)](#) , [ControllerBase.RedirectToPage\(string, string, object\)](#) ,  
[ControllerBase.RedirectToPage\(string, string, string\)](#) ,  
[ControllerBase.RedirectToPage\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, object\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string, string\)](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\)](#) ,  
[ControllerBase.File\(byte\[\], string\)](#) , [ControllerBase.File\(byte\[\], string, bool\)](#) ,  
[ControllerBase.File\(byte\[\], string, string\)](#) , [ControllerBase.File\(byte\[\], string, string, bool\)](#) ,  
[ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(Stream, string\)](#) , [ControllerBase.File\(Stream, string, bool\)](#) ,  
[ControllerBase.File\(Stream, string, string\)](#) , [ControllerBase.File\(Stream, string, string, bool\)](#) ,  
[ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(string, string\)](#) , [ControllerBase.File\(string, string, bool\)](#) ,  
[ControllerBase.File\(string, string, string\)](#) , [ControllerBase.File\(string, string, string, bool\)](#) ,  
[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.PhysicalFile\(string, string\)](#) , [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,  
[ControllerBase.PhysicalFile\(string, string, string\)](#) ,  
[ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,  
[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,

[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#),  
[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#),  
[ControllerBase.Unauthorized\(\)](#), [ControllerBase.Unauthorized\(object\)](#), [ControllerBase.NotFound\(\)](#),  
[ControllerBase.NotFound\(object\)](#), [ControllerBase.BadRequest\(\)](#),  
[ControllerBase.BadRequest\(object\)](#), [ControllerBase.BadRequest\(ModelStateDictionary\)](#),  
[ControllerBase.UnprocessableEntity\(\)](#), [ControllerBase.UnprocessableEntity\(object\)](#),  
[ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#), [ControllerBase.Conflict\(\)](#),  
[ControllerBase.Conflict\(object\)](#), [ControllerBase.Conflict\(ModelStateDictionary\)](#),  
[ControllerBase.Problem\(string, string, int?, string, string\)](#),  
[ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#),  
[ControllerBase.ValidationProblem\(ModelStateDictionary\)](#), [ControllerBase.ValidationProblem\(\)](#),  
[ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#),  
[ControllerBase.Created\(\)](#), [ControllerBase.Created\(string, object\)](#),  
[ControllerBase.Created\(Uri, object\)](#), [ControllerBase.CreatedAtAction\(string, object\)](#),  
[ControllerBase.CreatedAtAction\(string, object, object\)](#),  
[ControllerBase.CreatedAtAction\(string, string, object, object\)](#),  
[ControllerBase.CreatedAtRoute\(string, object\)](#), [ControllerBase.CreatedAtRoute\(object, object\)](#),  
[ControllerBase.CreatedAtRoute\(string, object, object\)](#), [ControllerBase.Accepted\(\)](#),  
[ControllerBase.Accepted\(object\)](#), [ControllerBase.Accepted\(Uri\)](#), [ControllerBase.Accepted\(string\)](#),  
[ControllerBase.Accepted\(string, object\)](#), [ControllerBase.Accepted\(Uri, object\)](#),  
[ControllerBase.AcceptedAtAction\(string\)](#), [ControllerBase.AcceptedAtAction\(string, string\)](#),  
[ControllerBase.AcceptedAtAction\(string, object\)](#),  
[ControllerBase.AcceptedAtAction\(string, string, object\)](#),  
[ControllerBase.AcceptedAtAction\(string, object, object\)](#),  
[ControllerBase.AcceptedAtRoute\(object\)](#), [ControllerBase.AcceptedAtRoute\(string\)](#),  
[ControllerBase.AcceptedAtRoute\(string, object\)](#), [ControllerBase.AcceptedAtRoute\(object, object\)](#),  
[ControllerBase.AcceptedAtRoute\(string, object, object\)](#), [ControllerBase.Challenge\(\)](#),  
[ControllerBase.Challenge\(params string\[\]\)](#), [ControllerBase.Challenge\(AuthenticationProperties\)](#),  
[ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#), [ControllerBase.Forbid\(\)](#),  
[ControllerBase.Forbid\(params string\[\]\)](#), [ControllerBase.Forbid\(AuthenticationProperties\)](#),  
[ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal\)](#), [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#),  
[ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#), [ControllerBase.SignOut\(\)](#),  
[ControllerBase.SignOut\(AuthenticationProperties\)](#), [ControllerBase.SignOut\(params string\[\]\)](#),  
[ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#),

[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#),  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#),  
[ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#),  
[ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#),  
[ControllerBase.TryValidateModel\(object\)](#), [ControllerBase.TryValidateModel\(object, string\)](#),  
[ControllerBase.HttpContext](#), [ControllerBase.Request](#), [ControllerBase.Response](#),  
[ControllerBase.RouteData](#), [ControllerBase.ModelState](#), [ControllerBase.ControllerContext](#),  
[ControllerBase.MetadataProvider](#), [ControllerBase.ModelBinderFactory](#), [ControllerBase.Url](#),  
[ControllerBase.ObjectValidator](#), [ControllerBase.ProblemDetailsFactory](#), [ControllerBase.User](#),  
[ControllerBase.Empty](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),  
[object.GetHashCode\(\)](#), [object.GetType\(\)](#), [object.MemberwiseClone\(\)](#),  
[object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

## Constructors

### RoleController(IMediator)

```
public RoleController(IMediator mediator)
```

#### Parameters

**mediator** IMediator

## Methods

### AddRole(string, AddRoleRequest, CancellationToken)

Add a new role to a client.

```
[HttpPost]  
[Route("addRole/{tenant}", Name = "AddRole")]
```

```
[ProducesResponseType(201)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[RequiredRole("Feijuca.ApiWriter")]
public Task<IActionResult> AddRole(string tenant, AddRoleRequest addRoleRequest,
Cancellation token cancellationToken)
```

## Parameters

**tenant** [string](#)

**addRoleRequest** AddRoleRequest

**cancellationToken** [Cancellation token](#)

## Returns

[Task](#) <[IActionResult](#)>

A status code related to the operation.

## GetRoles(string, Cancellation token)

Get all roles available in all clients.

```
[HttpGet]
[Route("getRoles/{tenant}", Name = "GetRoles")]
[ProducesResponseType(201)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[RequiredRole("Feijuca.ApiReader")]
public Task<IActionResult> GetRoles(string tenant, Cancellation token cancellationToken)
```

## Parameters

**tenant** [string](#)

**cancellationToken** [Cancellation token](#)

## Returns

[Task](#) <[ActionResult](#)>

A status code related to the operation.

# Class UserController

Namespace: [TokenManager.Api.Controllers](#)

Assembly: TokenManager.Api.dll

```
[Route("api/v1")]  
[ApiController]  
public class UserController : ControllerBase
```

## Inheritance

[object](#)  ← [ControllerBase](#)  ← UserController

## Inherited Members

[ControllerBase.StatusCode\(int\)](#)  , [ControllerBase.StatusCode\(int, object\)](#)  ,  
[ControllerBase.Content\(string\)](#)  , [ControllerBase.Content\(string, string\)](#)  ,  
[ControllerBase.Content\(string, string, Encoding\)](#)  ,  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#)  , [ControllerBase.NoContent\(\)](#)  ,  
[ControllerBase.Ok\(\)](#)  , [ControllerBase.Ok\(object\)](#)  , [ControllerBase.Redirect\(string\)](#)  ,  
[ControllerBase.RedirectPermanent\(string\)](#)  , [ControllerBase.RedirectPreserveMethod\(string\)](#)  ,  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#)  , [ControllerBase.LocalRedirect\(string\)](#)  ,  
[ControllerBase.LocalRedirectPermanent\(string\)](#)  , [ControllerBase.LocalRedirectPreserveMethod\(string\)](#)  ,  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#)  , [ControllerBase.RedirectToAction\(\)](#)  ,  
[ControllerBase.RedirectToAction\(string\)](#)  , [ControllerBase.RedirectToAction\(string, object\)](#)  ,  
[ControllerBase.RedirectToAction\(string, string\)](#)  ,  
[ControllerBase.RedirectToAction\(string, string, object\)](#)  ,  
[ControllerBase.RedirectToAction\(string, string, string\)](#)  ,  
[ControllerBase.RedirectToAction\(string, string, object, string\)](#)  ,  
[ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#)  ,  
[ControllerBase.RedirectToActionPermanent\(string\)](#)  ,  
[ControllerBase.RedirectToActionPermanent\(string, object\)](#)  ,  
[ControllerBase.RedirectToActionPermanent\(string, string\)](#)  ,  
[ControllerBase.RedirectToActionPermanent\(string, string, string\)](#)  ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object\)](#)  ,  
[ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#)  ,  
[ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#)  ,  
[ControllerBase.RedirectToRoute\(string\)](#)  , [ControllerBase.RedirectToRoute\(object\)](#)  ,  
[ControllerBase.RedirectToRoute\(string, object\)](#)  , [ControllerBase.RedirectToRoute\(string, string\)](#)  ,  
[ControllerBase.RedirectToRoute\(string, object, string\)](#)  ,  
[ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\)](#)  ,

[ControllerBase.RedirectToRoutePermanent\(string\).☐](#) ,  
[ControllerBase.RedirectToRoutePermanent\(object\).☐](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, object\).☐](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, string\).☐](#) ,  
[ControllerBase.RedirectToRoutePermanent\(string, object, string\).☐](#) ,  
[ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\).☐](#) ,  
[ControllerBase.RedirectToPage\(string\).☐](#) , [ControllerBase.RedirectToPage\(string, object\).☐](#) ,  
[ControllerBase.RedirectToPage\(string, string\).☐](#) , [ControllerBase.RedirectToPage\(string, string, object\).☐](#) ,  
[ControllerBase.RedirectToPage\(string, string, string\).☐](#) ,  
[ControllerBase.RedirectToPage\(string, string, object, string\).☐](#) ,  
[ControllerBase.RedirectToPagePermanent\(string\).☐](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, object\).☐](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string\).☐](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string, string\).☐](#) ,  
[ControllerBase.RedirectToPagePermanent\(string, string, object, string\).☐](#) ,  
[ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\).☐](#) ,  
[ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\).☐](#) ,  
[ControllerBase.File\(byte\[\], string\).☐](#) , [ControllerBase.File\(byte\[\], string, bool\).☐](#) ,  
[ControllerBase.File\(byte\[\], string, string\).☐](#) , [ControllerBase.File\(byte\[\], string, string, bool\).☐](#) ,  
[ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\).☐](#) ,  
[ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\).☐](#) ,  
[ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\).☐](#) ,  
[ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\).☐](#) ,  
[ControllerBase.File\(Stream, string\).☐](#) , [ControllerBase.File\(Stream, string, bool\).☐](#) ,  
[ControllerBase.File\(Stream, string, string\).☐](#) , [ControllerBase.File\(Stream, string, string, bool\).☐](#) ,  
[ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\).☐](#) ,  
[ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\).☐](#) ,  
[ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\).☐](#) ,  
[ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\).☐](#) ,  
[ControllerBase.File\(string, string\).☐](#) , [ControllerBase.File\(string, string, bool\).☐](#) ,  
[ControllerBase.File\(string, string, string\).☐](#) , [ControllerBase.File\(string, string, string, bool\).☐](#) ,  
[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\).☐](#) ,  
[ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\).☐](#) ,  
[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\).☐](#) ,  
[ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\).☐](#) ,  
[ControllerBase.PhysicalFile\(string, string\).☐](#) , [ControllerBase.PhysicalFile\(string, string, bool\).☐](#) ,  
[ControllerBase.PhysicalFile\(string, string, string\).☐](#) ,  
[ControllerBase.PhysicalFile\(string, string, string, bool\).☐](#) ,  
[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\).☐](#) ,  
[ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\).☐](#) ,



[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
[ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
[ControllerBase.Unauthorized\(\)](#) , [ControllerBase.Unauthorized\(object\)](#) , [ControllerBase.NotFound\(\)](#) ,  
[ControllerBase.NotFound\(object\)](#) , [ControllerBase.BadRequest\(\)](#) ,  
[ControllerBase.BadRequest\(object\)](#) , [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,  
[ControllerBase.UnprocessableEntity\(\)](#) , [ControllerBase.UnprocessableEntity\(object\)](#) ,  
[ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) , [ControllerBase.Conflict\(\)](#) ,  
[ControllerBase.Conflict\(object\)](#) , [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,  
[ControllerBase.Problem\(string, string, int?, string, string\)](#) ,  
[ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,  
[ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) , [ControllerBase.ValidationProblem\(\)](#) ,  
[ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,  
[ControllerBase.Created\(\)](#) , [ControllerBase.Created\(string, object\)](#) ,  
[ControllerBase.Created\(Uri, object\)](#) , [ControllerBase.CreatedAtAction\(string, object\)](#) ,  
[ControllerBase.CreatedAtAction\(string, object, object\)](#) ,  
[ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,  
[ControllerBase.CreatedAtRoute\(string, object\)](#) , [ControllerBase.CreatedAtRoute\(object, object\)](#) ,  
[ControllerBase.CreatedAtRoute\(string, object, object\)](#) , [ControllerBase.Accepted\(\)](#) ,  
[ControllerBase.Accepted\(object\)](#) , [ControllerBase.Accepted\(Uri\)](#) , [ControllerBase.Accepted\(string\)](#) ,  
[ControllerBase.Accepted\(string, object\)](#) , [ControllerBase.Accepted\(Uri, object\)](#) ,  
[ControllerBase.AcceptedAtAction\(string\)](#) , [ControllerBase.AcceptedAtAction\(string, string\)](#) ,  
[ControllerBase.AcceptedAtAction\(string, object\)](#) ,  
[ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,  
[ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,  
[ControllerBase.AcceptedAtAction\(string, string, object, object\)](#) ,  
[ControllerBase.AcceptedAtRoute\(object\)](#) , [ControllerBase.AcceptedAtRoute\(string\)](#) ,  
[ControllerBase.AcceptedAtRoute\(string, object\)](#) , [ControllerBase.AcceptedAtRoute\(object, object\)](#) ,  
[ControllerBase.AcceptedAtRoute\(string, object, object\)](#) , [ControllerBase.Challenge\(\)](#) ,  
[ControllerBase.Challenge\(params string\[\]\)](#) , [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,  
[ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) , [ControllerBase.Forbid\(\)](#) ,  
[ControllerBase.Forbid\(params string\[\]\)](#) , [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,  
[ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,  
[ControllerBase.SignIn\(ClaimsPrincipal\)](#) , [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#) ,  
[ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,  
[ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) , [ControllerBase.SignOut\(\)](#) ,  
[ControllerBase.SignOut\(AuthenticationProperties\)](#) , [ControllerBase.SignOut\(params string\[\]\)](#) ,  
[ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,

[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object> >\[\]\).](#)  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\).](#)  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object> >\[\]\).](#)  
[ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\).](#)  
[ControllerBase.TryUpdateModelAsync\(object, Type, string\).](#)  
[ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\).](#)  
[ControllerBase.TryValidateModel\(object\).](#) , [ControllerBase.TryValidateModel\(object, string\).](#)  
[ControllerBase.HttpContext](#) , [ControllerBase.Request](#) , [ControllerBase.Response](#) ,  
[ControllerBase.RouteData](#) , [ControllerBase.ModelState](#) , [ControllerBase.ControllerContext](#) ,  
[ControllerBase.MetadataProvider](#) , [ControllerBase.ModelBinderFactory](#) , [ControllerBase.Url](#) ,  
[ControllerBase.ObjectValidator](#) , [ControllerBase.ProblemDetailsFactory](#) , [ControllerBase.User](#) ,  
[ControllerBase.Empty](#) , [object.Equals\(object\).](#) , [object.Equals\(object, object\).](#) ,  
[object.GetHashCode\(\).](#) , [object.GetType\(\).](#) , [object.MemberwiseClone\(\).](#) ,  
[object.ReferenceEquals\(object, object\).](#) , [object.ToString\(\).](#)

## Constructors

### UserController(IMediator)

```
public UserController(IMediator mediator)
```

#### Parameters

**mediator** IMediator

## Methods

### Create(string, AddUserRequest, CancellationToken)

Add a new user on the Keycloak realm.

```
[HttpPost]
[Route("createUser/{tenant}", Name = "Create")]
[ProducesResponseType(201)]
```

```
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[RequiredRole("Feijuca.ApiWriter")]
[Authorize]
public Task<IActionResult> Create(string tenant, AddUserRequest addUserRequest,
CancellationToken cancellationToken)
```

## Parameters

**tenant** [string](#)

**addUserRequest** AddUserRequest

**cancellationToken** [CancellationToken](#)

## Returns

[Task](#) <[IActionResult](#)>

A status code related to the operation.

## Delete(string, Guid, CancellationTokentoken)

DeleteGroup an existing user on the Keycloak realm.

```
[HttpDelete]
[Route("deleteUser/{tenant}/{id:guid}", Name = "Delete")]
[ProducesResponseType(204)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[RequiredRole("Feijuca.ApiWriter")]
[Authorize]
public Task<IActionResult> Delete(string tenant, Guid id, CancellationTokentoken cancellationToken)
```

## Parameters

**tenant** [string](#)

**id** [Guid](#)

**cancellationToken** [CancellationToken](#)

## Returns

[Task](#) <[IActionResult](#)>

A status code related to the operation.

## GetUsers(string, CancellationToken)

Get all users existing on the Keycloak realm.

```
[HttpGet]
[Route("getUsers/{tenant}", Name = "GetUsers")]
[ProducesResponseType(200)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[Authorize]
public Task<IActionResult> GetUsers(string tenant, CancellationToken cancellationToken)
```

## Parameters

**tenant** [string](#)

**cancellationToken** [CancellationToken](#)

## Returns

[Task](#) <[IActionResult](#)>

A status code related to the operation.

## Login(string, LoginUserRequest, CancellationToken)

Return a valid JWT token and details about them.

```
[HttpPost]
[Route("login/{tenant}", Name = "Login")]
[ProducesResponseType(200)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
```

```
public Task<IActionResult> Login(string tenant, LoginUserRequest loginUserRequest,
CancellationTokens cancellationTokens)
```

## Parameters

**tenant** [string](#)

**loginUserRequest** LoginUserRequest

**cancellationTokens** [CancellationTokens](#)

## Returns

[Task](#) <[IActionResult](#)>

A status code related to the operation.

# RefreshToken(string, RefreshTokenRequest, CancellationTokens)

Return a valid JWT token and details about them refreshed.

```
[HttpPost]
[Route("refreshToken/{tenant}", Name = "RefreshToken")]
[ProducesResponseType(200)]
[ProducesResponseType(500)]
[ProducesResponseType(400)]
[RequiredRole("Feijuca.ApiWriter")]
[Authorize]
public Task<IActionResult> RefreshToken(string tenant, RefreshTokenRequest request,
CancellationTokens cancellationTokens)
```

## Parameters

**tenant** [string](#)

**request** RefreshTokenRequest

**cancellationTokens** [CancellationTokens](#)

## Returns

[Task](#) <[ActionResult](#)>

A status code related to the operation.