

GitLabService

September 4, 2026

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Kind: Service**Source:** `atloria-monorepo/apps/api/src/gitlab/gitlab.service.ts`

`GitLabService` manages the backend integration between the API and GitLab. It handles the OAuth connection flow, reports connection state, retrieves repositories and branches for the authenticated user, and disconnects the current GitLab account.

Methods

Method	Signature	Returns	Description
<code>getAuthUrl</code>	<code>getAuthUrl(userId: string)</code>	<code>string</code>	Generate the GitLab OAuth authorization URL
<code>handleCallback</code>	<code>handleCallback(code: string, userId: string)</code>	<code>Promise<void></code>	Exchange authorization code for access token and store it
<code>getConnectionStatus</code>	<code>getConnectionStatus(userId: string)</code>	<code>`Promise<{ connected: boolean; username: string }>`</code>	<code>null }</code>
<code>listRepos</code>	<code>listRepos(userId: string)</code>	<code>Promise<any[]></code>	List projects for the connected GitLab account.
<code>listBranches</code>	<code>listBranches(userId: string, owner: string, repo: string)</code>	<code>Promise<any[]></code>	List branches for a specific project

Method	Signature	Returns	Description
disconnect	disconnect(userId: string)	Promise<void>	Disconnect GitLab from user account

Dependencies

- PrismaService
- ConfigService

Where it refuses work

- GitLabService stops the work with Error when !retryResponse.ok .
- GitLabService stops the work with Error when !projectResponse.ok .
- GitLabService stops the work with Error when !response.ok .
- GitLabService stops the work with UnauthorizedException when !user?.gitlabAccessToken — “GitLab not connected. Please authorize first.”.

Diagram

```
sequenceDiagram
    participant Client
    participant API as GitLab Controller/API
    participant Service as GitLabService
    participant GitLab as GitLab OAuth/API

    Client->>API: Request GitLab authorization URL
    API->>Service: getAuthUrl()
    Service-->>API: OAuth authorization URL
    API-->>Client: Redirect URL

    Client->>GitLab: Authorize application
    GitLab->>API: OAuth callback
    API->>Service: handleCallback()
    Service->>GitLab: Exchange callback code for token
    GitLab-->>Service: Access token and user details
    Service-->>API: Persist connection

    Client->>API: List repositories or branches
    API->>Service: listRepos() / listBranches()
    Service->>GitLab: Fetch authenticated resources
    GitLab-->>Service: Repository/branch data
```

Service-->API: Resource list
API-->Client: JSON response

Usage

```
import { Controller, Get, Redirect } from '@nestjs/common';
import { GitLabService } from './gitlab.service';

@Controller('gitlab')
export class GitLabController {
  constructor(private readonly gitLabService: GitLabService) {}

  @Get('connect')
  @Redirect()
  connect() {
    return {
      url: this.gitLabService.getAuthUrl(),
    };
  }

  @Get('status')
  getStatus() {
    return this.gitLabService.getConnectionStatus();
  }

  @Get('repos')
  listRepositories() {
    return this.gitLabService.listRepos();
  }

  @Get('branches')
  listBranches() {
    return this.gitLabService.listBranches();
  }

  @Get('disconnect')
  async disconnect() {
    await this.gitLabService.disconnect();

    return { connected: false };
  }
}
```

AI Coding Instructions

- Keep GitLab OAuth logic inside `GitLabService` ; controllers should only map HTTP requests and responses.

- Call `getConnectionStatus()` before invoking repository or branch operations when the caller may not have an active GitLab connection.
- Ensure `handleCallback()` is invoked only from the validated OAuth callback route and preserves any required authorization state.
- Treat repository and branch responses as external API data; add explicit DTOs or typed interfaces before relying on fields returned as `any[]`.
- Use `disconnect()` to clear stored GitLab credentials rather than deleting connection data directly from controllers or other services.

Relationships

- `DEPENDS_ON` → `PrismaService`
- `DEPENDS_ON` → `configservice`

Referenced By

- `GitLabController` (`DEPENDS_ON`)
- `GitLabModule` (`MODULE_PROVIDES`)
- `GitLabModule` (`MODULE_EXPORTS`)