

SdkZipService

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Kind: Service**Source:** `atloria-monorepo/apps/sdk-worker/src/app/sdk-gen/sdk-zip.service.ts`

Zips a generated package directory into a single in-memory buffer.

`SdkZipService` packages a generated SDK directory into a single in-memory `Buffer`. It is used by the SDK worker after generation completes, providing an archive payload that can be returned, uploaded, or persisted without writing an intermediate ZIP file.

Methods

Method	Signature	Returns
<code>zipDirectory</code>	<code>zipDirectory(dir: string)</code>	<code>Promise<Buffer></code>

Diagram

```
sequenceDiagram
    participant Generator as SDK Generator
    participant ZipService as SdkZipService
    participant FS as Generated Package Directory
    participant Consumer as Upload/Response Consumer

    Generator->>ZipService: zipDirectory()
    ZipService->>FS: Read generated package files
    FS-->>ZipService: File contents and directory structure
    ZipService->>ZipService: Create ZIP archive in memory
    ZipService-->>Generator: Promise<Buffer>
    Generator->>Consumer: Upload or return ZIP buffer
```

Usage

```
import { Injectable } from '@nestjs/common';
import { SdkZipService } from './sdk-zip.service';

@Injectable()
export class SdkExportService {
  constructor(private readonly sdkZipService: SdkZipService) {}

  async createDownloadPayload(): Promise<Buffer> {
    const zipBuffer = await this.sdkZipService.zipDirectory();

    // For example, pass the buffer to storage or an HTTP response.
    return zipBuffer;
  }
}
```

AI Coding Instructions

- Keep ZIP creation in memory; `zipDirectory()` is expected to return a `Promise<Buffer>` rather than write a ZIP artifact to disk.
- Invoke this service only after the SDK generation process has completed and the package directory contains all expected files.
- Preserve the generated directory structure and ensure source paths are resolved safely before adding files to the archive.
- Handle rejected promises at integration boundaries, especially when returning the archive through an HTTP endpoint or uploading it to object storage.
- Avoid retaining returned buffers longer than necessary, as generated SDK archives may consume significant memory.

Referenced By

- `SdkGenModule` (MODULE_PROVIDES)