Generierung eines Submodels mit dem AAS Generator - Aktivitätsdiagram m POST /api/DataIngest/{base64EncodedAasId} Body: AddDataToAasRequest API Request received at - Custom TemplateIds: string[] DataIngestController.AddDataToAas() - Data: JObject - Language: string Log API invocation Call AasGenerator.AddDataToAasAsync() with AasId, TemplateIds, Data, Language AAS-Generator Get template from Custom TemplateSubmodelsProvider Template found? Extract IdShort from template Create "template not found" error IdShort valid? Create "IdShort invalid" error Generate new SubmodelId using IdGeneratorService no ID generated? Create "ID generation failed" error Call TryMapDataToInstance() SubmodelDataToInstanceMapper/ Create SubmodelMappingContext with template, data, language, new Id Build Pipeline with steps: Pipeline Execution 1. Deep Clone Template Step Clones template for mutation 2. SetKindInstanceStep Sets kind = "Instance" 3. Duplicate Collections Step Handles collection duplication based on mapping info 4. MapDataToInstanceStep Maps JSON data to template according to mapping info 5. RemoveTopLevelQualifiersStep Removes qualifiers from top level 6. ReplaceIdentificationStep Sets new submodel ID Return SubmodelInstance Mapping successful? yes Call TryAddSubmodelToAasAsync() Create "mapping failed" error POST submodel to repository via RepoProxyClient Create SubmodelReference POST SubmodelReference to AAS via RepoProxyClient Add successful? Create "adding to aas failed" error Any Errors occured? Log error details Log succes Extract ID of Extract error details from failed results new Submodel Create AddDataToAasResponse Create AddDataToAasResponse with error details with newSubmodelId Return HTTP 400 BadRequest Return HTTP 200 OK with response with error details \bigcirc