

System Overview

August 17, 2026

PAMS Documentation Test

Overview

Auto-generated technical documentation for **PAMS Documentation Test** — 9862 entities (4515 classes, 1781 api endpoints, 830 doc comments, 777 components).

Architecture

flowchart LR

```
module_AppRoutingModule_71aca0c8["AppRoutingModule"]
module_TranslateHandler_6ab6bcfa["TranslateHandler"]
module_MrqComponentsModule_d4d0be2["MrqComponentsModule"]
module_MrqModule_54ba3f["MrqModule"]
service_MrqService_1a6cfc57["MrqService"]
module_BillOfMaterialsComponentsModule_4e135ac0["BillOfMaterialsComponentsModule"]
module_BillOfMaterialsModule_4d5fafe1["BillOfMaterialsModule"]
service_BillOfMaterialsService_16a90939["BillOfMaterialsService"]
module_BlogsModule_a8adaba["BlogsModule"]
service_BlogsService_7bc342c6["BlogsService"]
service_WarehouseConfigService_733f5ad0["WarehouseConfigService"]
module_ConfigurationRoutingModule_5b554b82["ConfigurationRoutingModule"]
module_TranslateHandler_23629117["TranslateHandler"]
service_DemoDataService_720df7a1["DemoDataService"]
service_IntegrationWithCrmsService_511b0fcf["IntegrationWithCrmsService"]
service_ManageAccountsService_700cab55["ManageAccountsService"]
module_ProductsComponentsModule_6c0c4557["ProductsComponentsModule"]
service_SubscriptionInvoicesService_7a94a153["SubscriptionInvoicesService"]
service_HtmlTemplatesService_2c710f3c["HtmlTemplatesService"]
service_BonusCompany_671e914f["BonusCompany"]
module_CoreBusinessModule_579499c8["CoreBusinessModule"]
service_BusinessAnalysisService_68e0861["BusinessAnalysisService"]
service_CustomDashboardService_5ba9203d["CustomDashboardService"]
service_ReportObject_361a78e8["ReportObject"]
module_TranslateHandler_6ab6bcfa --> module_ProductsComponentsModule_6c0c4557
module_TranslateHandler_6ab6bcfa --> module_AppRoutingModule_71aca0c8
module_TranslateHandler_6ab6bcfa --> module_CoreBusinessModule_579499c8
module_MrqComponentsModule_d4d0be2 --> module_ProductsComponentsModule_6c0c4557
module_MrqModule_54ba3f --> module_MrqComponentsModule_d4d0be2
```

```
module_BillOfMaterialsComponentsModule_4e135ac0 --> module_MrqComponentsModule_d4d0be2  
module_BillOfMaterialsComponentsModule_4e135ac0 --> module_ProductsComponentsModule_6c0c4557  
module_BillOfMaterialsModule_4d5fafa1 --> module_BillOfMaterialsComponentsModule_4e135ac0  
module_TranslateHandler_23629117 --> module_ConfigurationRoutingModule_5b554b82
```

Modules

- **AppRoutingModule**
- **TranslateHandler**
- **MrqComponentsModule**
- **MrqModule**
- **BillOfMaterialsComponentsModule**
- **BillOfMaterialsModule**
- **BlogsModule**
- **ConfigurationRoutingModule**
- **TranslateHandler**
- **ProductsComponentsModule**
- **CoreBusinessModule**
- **ActivitiesRouteModule**
- **DashboardWidgetsModule**
- **DashboardModule**
- **MyDeskRouteModule**
- **MyDesk2RouteModule**
- **PrincipalReportRouteModule**
- **SendMailRouteModule**
- **TasksRouteModule**
- **InvoicesModule**
- **JobCostingComponentModule**
- **JobCostingModule**
- **LettersOfGuarantiesComponentsModule**
- **LettersOfGuarantiesRoutingModule**
- **LettersOfGuarantiesModule**
- **ContactsModule**
- **MarketComponentsModule**
- **MarketModule**

- **ProjectsModule**
- **PayablesRoutingModule**
- **PayablesModule**
- **PaymentsComponentsModule**
- **PaymentsRoutingModule**
- **PaymentsModule**
- **PrincipalInvoiceComponentsModule**
- **PrincipalInvoiceModule**
- **ProcurementModule**
- **PurchasingComponentsModule**
- **PurchasingModule**
- **ReferencesComponentsModule**
- **ReferencesModule**
- **SalesComponentsModule**
- **SalesComponentsModule**
- **SalesModule**
- **SecurityComponentsModule**
- **SecurityRoutingModule**
- **SecurityModule**
- **SharedRoutingModule**
- **TranslateHandler**
- **ProductionOrderModule**
- **ShippingOrderModule**
- **WarehouseRoutingModule**
- **WarehouseModule**
- **AuthModule**
- **PamsServicesModule**
- **AppRoutingModule**
- **TranslateHandler**
- **AuthModule**
- **AuthModule**
- **PamsServicesModule**
- **AppRoutingModule**

- AppModule
- AlertModule
- AppMenuModule
- BusyIndicatorModule
- CoreModule
- ModalDialogModule
- AuthModule
- SharedServicesModule
- AppRoutingModule
- AppModule
- ConfigurationRoutingModule
- ConfigurationModule
- CoreModule
- Pams.API
- Pams.API.Core
- Pams.Core
- Pams.Security
- Pams.Data
- PamsDatabaseSolution
- Pams.Database
- HelperTool — .NET WinExe project (C#)
- Pams.Common
- Pams.Business
- Pams.CurrencyConverter
- Pams.Email
- Pams.Storage
- Pams
- API
- Core
- Data
- Logic
- Web
- Pams.Data

- **Pams.Core**
- **Pams.Security**
- **Pams.Business**
- **Pams.CurrencyConverter**
- **Pams.Storage**
- **Pams.Email**
- **Pams.API**
- **Pams.Common**
- **Tools**
- **HelperTool**
- **Pams.Web**
- **Pams.API.Core**
- **PamsDatabase**
- **Pams.Database**
- **Pams.Web**
- **Pams.WebApp**

Entry Points

- Controller: **AuthenticatedController**
(`Pams/API/Pams.API/ActionFilters/JWTAuthenticateAttribute.cs`)
- Controller: **BaseController** (`Pams/API/Pams.API/Controllers/BaseController.cs`)
- Controller: **AccountManagerTargetController**
(`Pams/API/Pams.API/Controllers/BookingTarget/AccountManagerTargetController.cs`)
- Controller: **EmployeeBonusController**
(`Pams/API/Pams.API/Controllers/BookingTarget/EmployeeBonusController.cs`)
- Controller: **FinanceBudgetController**
(`Pams/API/Pams.API/Controllers/BookingTarget/FinanceBudgetController.cs`)
- Controller: **ForecastedBookingController**
(`Pams/API/Pams.API/Controllers/BookingTarget/ForecastedBookingController.cs`)
- Controller: **PrincipalTargetController**
(`Pams/API/Pams.API/Controllers/BookingTarget/PrincipalTargetController.cs`)
- Controller: **ProductTypeTargetController**
(`Pams/API/Pams.API/Controllers/BookingTarget/ProductTypeTargetController.cs`)

- Controller: **TeamTargetController**
(Pams/API/Pams.API/Controllers/BookingTarget/TeamTargetController.cs)
- Controller: **UserMarkerController**
(Pams/API/Pams.API/Controllers/ColorMarker/UserMarkerController.cs)
- Controller: **AddressController**
(Pams/API/Pams.API/Controllers/Common/AddressController.cs)
- Controller: **AddressTypeController**
(Pams/API/Pams.API/Controllers/Common/AddressTypeController.cs)
- Controller: **BankAccountController**
(Pams/API/Pams.API/Controllers/Common/BankAccountController.cs)
- Controller: **BankController** (Pams/API/Pams.API/Controllers/Common/BankController.cs)
- Controller: **BookingTargetController**
(Pams/API/Pams.API/Controllers/Common/BookingTargetController.cs)
- Controller: **CategoryTypeController**
(Pams/API/Pams.API/Controllers/Common/CategoryTypeController.cs)
- Controller: **CategoryController**
(Pams/API/Pams.API/Controllers/Common/CategroyController.cs)
- Controller: **CityController** (Pams/API/Pams.API/Controllers/Common/CityController.cs)
- Controller: **ClientTypeController**
(Pams/API/Pams.API/Controllers/Common/ClientTypeController.cs)
- Controller: **ColorMarkerController**
(Pams/API/Pams.API/Controllers/Common/ColorMarkerController.cs)
- GET /bookingtarget/accountmanagertarget/getbyid/{id} → GetById
- GET /bookingtarget/accountmanagertarget/getaccountmanagertargetbyyear/{year} → GetAccountManagersTargetByYear
- PUT /bookingtarget/accountmanagertarget/saveaccountmanagertarget → SaveAccountManagerTarget
- POST /bookingtarget/accountmanagertarget/newyear/{yearId} → CreateAccountManagerTargetForNewYear
- GET /bookingtarget/employeebonus/getbonuscalculationsheetbyyear/{year} → GetEmployeeBonusCalculationSheetByYear
- GET /bookingtarget/employeebonus/getteamsbonusbyyear/{year} → GetTeamsBonusByYear
- GET /bookingtarget/employeebonus/getemployeesbonusforcurrentyear → GetEmployeesBonusForCurrentYear

- `PUT /bookingtarget/employeebonus/savebonuscalculationsheet` → **SaveEmployeeBonusCalculationSheet**
- `GET /bookingtarget/financebudget/getbyid/{id}` → **GetById**
- `GET /bookingtarget/financebudget/getallbudgetsbyyear/{year}` → **GetProductTypesTargetByYear**
- `GET /bookingtarget/financebudget/getbranchbudgetsbyyear/{year}/branch/{branchId}` → **GetProductTypesTargetByYear**
- `GET /bookingtarget/financebudget/getnetprofitsbyyear/{yearId}` → **GetNetProfitsByYear**
- `PUT /bookingtarget/financebudget/savedepreciation` → **SaveDepreciation**
- `PUT /bookingtarget/financebudget/savesga` → **SaveSGA**
- `POST /bookingtarget/financebudget/newyear/{yearId}` → **CreateFinanceBudgetForNewYear**
- `GET /bookingtarget/forecastedbooking/getbranchrules/{branchId}` → **GetBranchRules**
- `PUT /bookingtarget/forecastedbooking/saverules` → **SaveRules**
- `GET /bookingtarget/principaltarget/getbyid/{id}` → **GetById**
- `GET /bookingtarget/principaltarget/getprincipalstargetbyyear/{year}` → **GetPrincipalsTargetByYear**
- `PUT /bookingtarget/principaltarget/saveprincipaltarget` → **SavePrincipalTarget**
- `POST /bookingtarget/principaltarget/newyear/{yearId}` → **CreatePrincipalTargetForNewYear**
- `GET /bookingtarget/producttypetarget/getbyid/{id}` → **GetById**
- `GET /bookingtarget/producttypetarget/getproducttypestargetbyyear/{year}` → **GetProductTypesTargetByYear**
- `PUT /bookingtarget/producttypetarget/saveproducttypebookingtarget` → **SaveProductTypeBookingTarget**
- `PUT /bookingtarget/producttypetarget/saveproducttypesalestarget` → **SaveProductTypeSalesTarget**
- `PUT /bookingtarget/producttypetarget/saveproducttypebudget` → **SaveProductTypeBudget**
- `POST /bookingtarget/producttypetarget/newyear/{yearId}` → **CreateProductTypeTargetForNewYear**
- `GET /bookingtarget/teamtarget/getlookupoldyears` → **GetLookupYears**
- `GET /bookingtarget/teamtarget/getteamsbyyear/{year}` → **GetTeamsByYear**
- `GET /bookingtarget/teamtarget/getteam/{teamId}/targetdetailbyyear/{yearId}` → **GetTeamMonthlyTargetByYear**

Key Components

The most-referenced entities — start here.

- **AppSettings** (class) — referenced 554×
- **EntityBase** (class) — referenced 355×
- **PamsLinqDataContext** (class) — referenced 353×
- **AppSettings** (class) — referenced 291×
- **BaseController** (controller) — referenced 219×
- **AuthService** (class) — referenced 218×
- **SubscriptionPackagesEnum** (enum) — referenced 172×
- **AlertsService** (class) — referenced 171×
- **SharedPopupComponent** (component) — referenced 170×
- **Widget** (class) — referenced 118×

Subsystems

Ordered by how much of the rest of the system depends on them, not by how much code they

contain. A small module many things import shapes this codebase more than a large one nothing imports.

Subsystem	Depended on by	Entities	Starts at
Pams	9	7051	AuthenticatedController , BaseController
Auth	6	22	Auth , PamsAuthResponse
Attachement	3	23	Attachement , OutlookAttachment
Calendar	1	76	Calendar , EventBody
Activity	1	17	Activity , ActivityTypesEnum
Contacts	1	9	Contact , ContactPersonReference
Frontend	0	1661	AppRoutingModule , TranslateHandler
Pams Web	0	166	AppRoutingModule , AppModule
Outlook Plugin	0	483	Microsoft Graph API 429 Error Fix , Deployment Readiness Checklist for Pams Outlook Add-in

Subsystem	Depended on by	Entities	Starts at
Azure Dns Migration	0	319	Azure DNS Migration - Quick Start Guide , Azure DNS Migration for pams.net

Pams , Outlook Plugin , Azure Dns Migration depend on no other subsystem here — they are the leaves.

How this code is named

These conventions cover most of the codebase. Learning them is faster than reading an index —

each one lets you find any member of its family without looking it up.

Pattern	Where	Count	Examples
*.component.ts	across the repository	777	app.component.ts , tag.component.ts , new.component.ts , home.component.ts
*.service.ts	across the repository	471	mrq.service.ts , msl.service.ts , app.service.ts , mrm.service.ts
*.model.ts	across the repository	433	job.model.ts , city.model.ts , tags.model.ts , unit.model.ts
*.model.cs	across the repository	135	City.Model.cs , Tags.Model.cs , Role.Model.cs , Task.Model.cs
*.module.ts	across the repository	74	app.module.ts , mrq.module.ts , auth.module.ts , core.module.ts
create*	exported symbols	42	createSimpleEvent , createAllDayEvent , createTranslateLoader , createWeeklyRecurringEvent