Terminal API  
[Web API]

Provider Terminal  
[IOT Device]

Product Directory Generator [App]

Emailer  
[App]

Asynchronous Processes

Data Stores

Infrastructure

Micro Services

External Facing

Actors

Transaction

Member

Product

ProviderTransactionsReport  
Documents

Provider

ProviderTransactionsReport

MemberTransactionsReport

AccountsPayableReport

Identity

MemberTransactionsReport  
Documents

AccountsPayableReport  
Documents

Report Generator  
[App]

Member  
[Service API]

Product  
[Service API]

Provider  
[Service API]

Azure Service Bus / EventGrid

AccountPayableReport  
[Service API]

MemberTransactionsReport  
[Service API]

ProviderTransactionsReport  
[Service API]

Transaction  
[Service API]

Main Accounting Procedure  
[Daemon App]

Manager  
[Web App]

ProviderConnect  
[Web App]

Data Center  
[Web App]

MemberConnect  
[Mobile App]

ACME  
[Web API]

ACME Accounting  
[Web Client]

Identity Structure

All accounts are single tenant accounts

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| Public Client Applications | User | Type | Flow Type | Library | Requires API Access | Required Scopes (https://chocan.onmicrosoft.com/) |
| Provider Terminal | ChocAn.Provider | IOT Device | Device code |  | * Terminal API | * transaction.write * member.read * provider.read * product.read |
| Terminal API | ChocAn.Provider | Web API | On behalf |  | * Transaction service * Member service * Provider service * Product service | * transaction.write * member.read * provider.read * product.read |
| Manager Console | ChocAn.Employee.Finance.Manager | Web App | Interactive | Microsoft.Identity.Web | * ProviderTransactionsReport service * MemberTransactionsReport service * AccountsPayable service | * ProviderTransactionsReport.(create, cancel) * MemberTransactionsReport.(create, cancel) * AccountsPayable.create, cancel |
| ACME API | Chocan.BusinessPartner | Web API | Single-tenant |  | * Member service | * member.(read, update) |
| Provider Connect | ChocAn.Provider | Web SPA App | Auth code with PCKE | msal-browser/msal-react/msal-angular | * Provider service | * providerdirectory.read |
| Member Connect | ChocAn.Member | Mobile App |  | MSAL/Microsoft.Identity.Client | * Member service | * membertransactionsreport.read ??? (Async???) |
| DataCenter App | ChocAn.Employee.IT.CustomerService | Web App |  | Microsoft.Identity.Web | * Member service * Provider service * Product service | * member.(create, read, update, delete) * provider.(create, read, update, delete) * product.(create, read, update, delete) |

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| Micro Services | Type | Flow Type |  | Account Type | Expected Application secrets | Security Token |
| Transaction service | Web API |  |  |  | * Terminal API * ProviderTransactionsReport service * MemberTransactionsReport service * AccountsPayable service |  |
| Provider | Web App |  |  |  | * Terminal API * DataCenter App |  |
| Product | Web API |  |  |  | * Terminal API * DataCenter App |  |
| Member | Web API |  |  |  | * Terminal API * DataCenter App |  |
| ProviderTransactionsReport | Web API |  |  |  | * Manager Console * Main Accounting Procedure |  |
| MemberTransactionsReport | Web API |  |  |  | * Manager Console * Main Accounting Procedure |  |
| AccountsPayableReport | Web API |  |  |  | * Manager Console * Main Accounting Procedure |  |

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| --- | --- | --- | --- | --- |
| Internal Applications | Type | Account Type | Requires API Access |  |
| Emailer | Web API |  |  |  |
| Report Generator | Web App |  |  |  |
| Product Directory Generator | Web API |  |  |  |
| Main Accounting Procedure | Web API |  | * ProviderTransactionsReport service * MemberTransactionsReport service * AccountsPayable service |  |