System Documentation

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Contents

Company Documentation

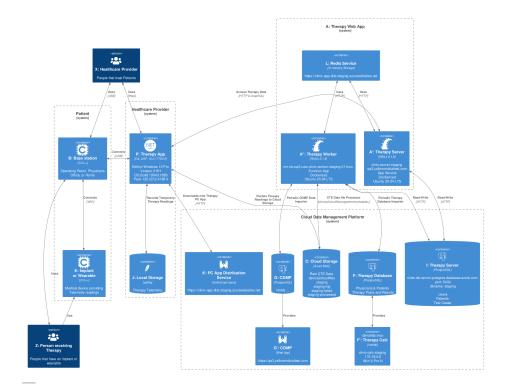**Generated on:** July 22, 2025

Introduction

This is the introduction section, reused across multiple documents.

Chapter 1

Content for chapter 1 goes here.

Chapter 2

Content for chapter 2 goes here. Here's an image:

A: Therapy Web App
[system]

X: Healthcare Provider
«person»
People that treat Patients

Patient
[system]

Healthcare Provider
[system]

«container»
L: Redis Service
[In-memory Storage]
https://clinic-app-dist-staging.azurewebsites.net

Uses
[USB]

Uses
[https]

Access Therapy Data
[HTTP & GraphQL]

Uses
[HTTP]

Uses
[HTTP]

«container»
B: Base station
[C/C++]
Operating Room, Physicians
Office, or Home

«container»
P: Therapy App
[C#, UAP, 10.0.17763.0]
Edition Windows 10 Pro
Version 21H1
OS Build 19043.1889
Pack 120.2212.4180.0

«container»
A'': Therapy Worker
[RWLs 6.1.6]
cm-clo-qa3-uws-clinic-worker-staging-01-func
Function App
Dockerized
Ubuntu 20.04 LTS

«container»
A': Therapy Server
[RWLs 6.1.6]
clinic-server-staging
qa3.yellowmdicaltest.com
App Service
Dockerized
Ubuntu 20.04 LTS

Connects
[USB]

Records Temporary
Therapy Readings

Downloads new Therapy
PC App
[HTTP]

Pushes Therapy
Readings to Cloud
Storage

Periodic CDMP Data
Importer

CTE Data file Processor
[device2cloudfiles/d/p/telemetrydatadev]

Periodic Therapy
Database Importer

Read/Write
[HTTP]

Read/Write
[HTTP]

Connects
[WiFi]

Cloud Data Management Platform
[system]

«container»
E: Implant
or Wearable
[C/C++]
Medical device providing
Telemetry readings

«container»
J: Local Storage
[sqlite]
Therapy Telemetry

«container»
K: PC App Distribution
Service
[Authorized users]
https://clinic-app-dist-staging.azurewebsites.net

«container»
G: CDMP
[PostgreSQL]
Holds ...

«container»
C: Cloud Storage
[Azure Blob]
Raw CTE Data
device2cloudfiles
staging
staging-log
staging-failed
staging-processed

«container»
F: Therapy Database
[PostgreSQL]
Physicians & Patients
Therapy Plans and Results

«container»
I: Therapy Server
[PostgreSQL]
clinic-db-server.postgres.database.azure.com
port: 5432
dbname: staging
Users
Patients
Test Cases

Uses

has

Z: Person receiving
Therapy
«person»
People that have an implant or
wearable

Provides

Provides

«container»
G': CDMP
[Web App]
https://qa3.yellowmdicaltest.com

«container»
«$matlab.md»
F': Therapy Calc
[matlab]
clinic-calc-staging
172.18.0.5
Win10 Pro N

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