ISSUE and KT

Access Issue => Token and PIN

Need to setup environment

Need to know the existing implementation for cosmos db and functions mentioned by Neil in mail

Need to knw the workflow structure for the feature. I dont have clear picture on that.

After all this i can probably touch or start working on code.

Digital Application Platform (DAP)

http://aw-digital-services.azurewebsites.net/home

Please get familiar with this as AW DS have created some logic which we may be able to re-use

Azure Dev Ops

AW Digital Services Wiki:

https://anglianwater.visualstudio.com/Digital%20Services/\_wiki/wikis/EIM.wiki/314/Digital-Services

Corby Boards

https://anglianwater.visualstudio.com/Digital%20Services/\_boards/board/t/Corby/Backlog%20items

Corby Repo

https://anglianwater.visualstudio.com/Digital%20Services/\_git/Corby

Check you can clone, push and branch please

Azure:

PoC Resource group (AW subscription)

https://portal.azure.com/#@anglianwater.co.uk/resource/subscriptions/f6865a9f-3b68-4881-b7cd-c4ddcbe29c82/resourceGroups/eim-corby-rg-ppd-n-eu/overview - you will need contribute access for this to see the OLD function code

Our dev resource group

https://portal.azure.com/#@anglianwater.co.uk/resource/subscriptions/f6865a9f-3b68-4881-b7cd-c4ddcbe29c82/resourceGroups/eim-corby-rg-ppd-n-eu/overview - you will need contribute access to create resources

I have created the following in Azure awss-sub-dev subscription (our dev environment)

Our resource group is: eim-corby-rg-ppd-n-eu https://portal.azure.com/#@anglianwater.co.uk/resource/subscriptions/f6865a9f-3b68-4881-b7cd-c4ddcbe29c82/resourceGroups/eim-corby-rg-ppd-n-eu/overview

In there is:

• 1x IoT Hub (currently not connected to Corby Iot device – this has just had its connection re-established to the PoC) eim-corby-iothub-ppd-01

• 1x ASP ASP-eimcorbyrgppdneu-a635

• 1x App Insights eimcorbyappi001

• 1x Storage account eimcorbystor001

• 1x CosmosDb (Mongo API) Account eim-corby-cosdb-002

• 3x Function Apps (and subsequent functions):

o eim-corby-api-ppd-001 (Machines API)

 CreateBlower

 CreateReactor

 GetMachine (by Db object ID)

 GetMachines (ALL)

 UpdateMachine (not completed)

o eim-corby-api-ppd-002 (Alarms API)

 Todo

o eim-corby-api-ppd-003 (Sensor API)

 Todo

o eim-corby-api-ppd-004 (Tasks API)

 Todo

o eim-corby-api-ppd-005 (Comments API)

 Todo

API’s

I have created the Machine API – the source code is here: https://anglianwater.visualstudio.com/Digital%20Services/\_git/Corby?path=%2FAnglianWater.SiteView.Api&version=GBfeature%2FaddApis&\_a=contents

It is deployed to Azure and has (currently) anonymous access so you guys/gals can retrieve data without issue – the data is coming from the dev Cosmos Db account.

The API’s are Functions within a Function App. They are Node.Js targeting the Mongo API for Cosmos Db. They are ReSTful and utilise routing and http METHOD to retrieve the data object. The data payload is JSON.

The end points are:

GetMachines:

GET: https://eim-corby-api-ppd-001.azurewebsites.net/api/machines

GetMachine:

GET: https://eim-corby-api-ppd-001.azurewebsites.net/api/machine/{id}

Where {id} is the ObjectID field from the JSON object

I have built CreateBlower, CreateReactor, UpdateMachine (To complete), DeleteMachine (Todo) – however these are technically out of scope at the moment so do not worry.

@Khare, Subhash Clearly the environments will change the URL’s. So please use a https://{baseUrl}/api/machines pattern in the Angular services. The base url will be tokenised from app settings

Cosmos DB (structure): https://portal.azure.com/#@anglianwater.co.uk/resource/subscriptions/f6865a9f-3b68-4881-b7cd-c4ddcbe29c82/resourceGroups/eim-corby-rg-ppd-n-eu/providers/Microsoft.DocumentDb/databaseAccounts/eim-corby-cosdb-002/overview

The CDB has been provisioned with Mongo Db (as per the PoC)

The dev environment database name is:

SiteView

The collection name for the Machine API is:

Machines

@Pawar, Nisha – I need you to migrate the remaining collections from the PoC DB:

PoC Db: aws-corby-app-cdb-dev-02 (resource group: aws-npe-corbyIOT-rg-n-eu)

Db Name: corby-pathfinder

Collections:

• alarms

• sensors

• tasks

• tasktemplates

• comments

You will then need to create the API’s to expose these records. As a minimum you will need to expose GetAll & GetIndividual (by Db \_Id field). Following the pattern I have created for Machines (you could prob copy/paste – then amend as nessecary). If you get time go back and create the create, update, delete functions. Create these in the order above – (alarms, sensors, tasks etc.) and provide the endpoints to Subhash, Abhi & Deepika.

@Lamb, Richard Could you break these stories down for this sprint:

• Story: DB Content Migration (Large – (8?)

o Tasks

o 1) Alarms

o 2) Sensors

o 3) tasks (next sprint)

o 4) tasktemplates (next sprint)

o 5) comments (next sprint – maybe able to use AW DS existing service)

• Story: Create API’s for Alarms (Large)

o Tasks

o 1) GetAllAlarms

o 2) GetAlarm

• Story: Create API’s for Sensors (Large)

o Tasks

o 1) GetAllSensors

o 2) GetSensor