Motion10

PitWall

De Integratie & Analiytics Azure Landingzone

Applicatie & Integratie Evolutie

2014+	APIs
2010	Cloud
2000s	SOA
1990s	Web
1980s	Client-Server
1970s	Mainframe

Evolutie, echter… allemaal nog steeds in productie bij veel organisaties

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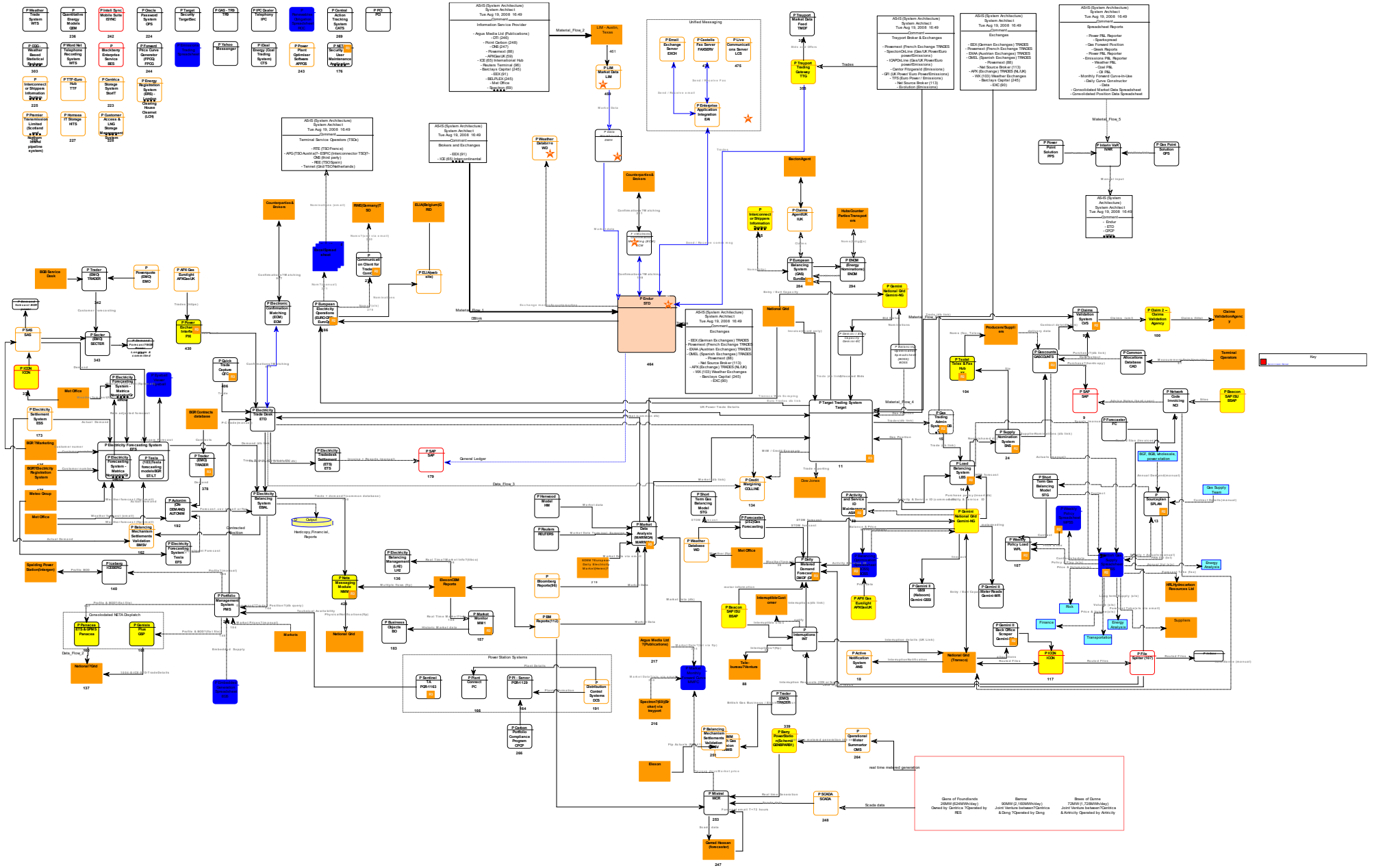
Azure Integration Services

Cloud Integratie

Het gaat niet om het verbinden van de ene applicatie met de andere,
Het draait allemaal om het blootstellen van functionaliteit als een API!


Key
Gens of Foundlands
288MW (6248MWh/day)
Owned by Centrica ?Operated by RES
Barrow
90MW (2,160MWh/day)
Joint Venture between?Centrica & Dong ?Operated by Dong
Braes of Dunne
72MW (1,728MWh/day)
Joint Venture between?Centrica & Anticity Operated by Anticity

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GEBRUIKEN

DELEN

ORKESTRATIE

BRONNEN

Veilig

Gecontroleerd

Time-to-market

Schaalbaar

Beheersbaar

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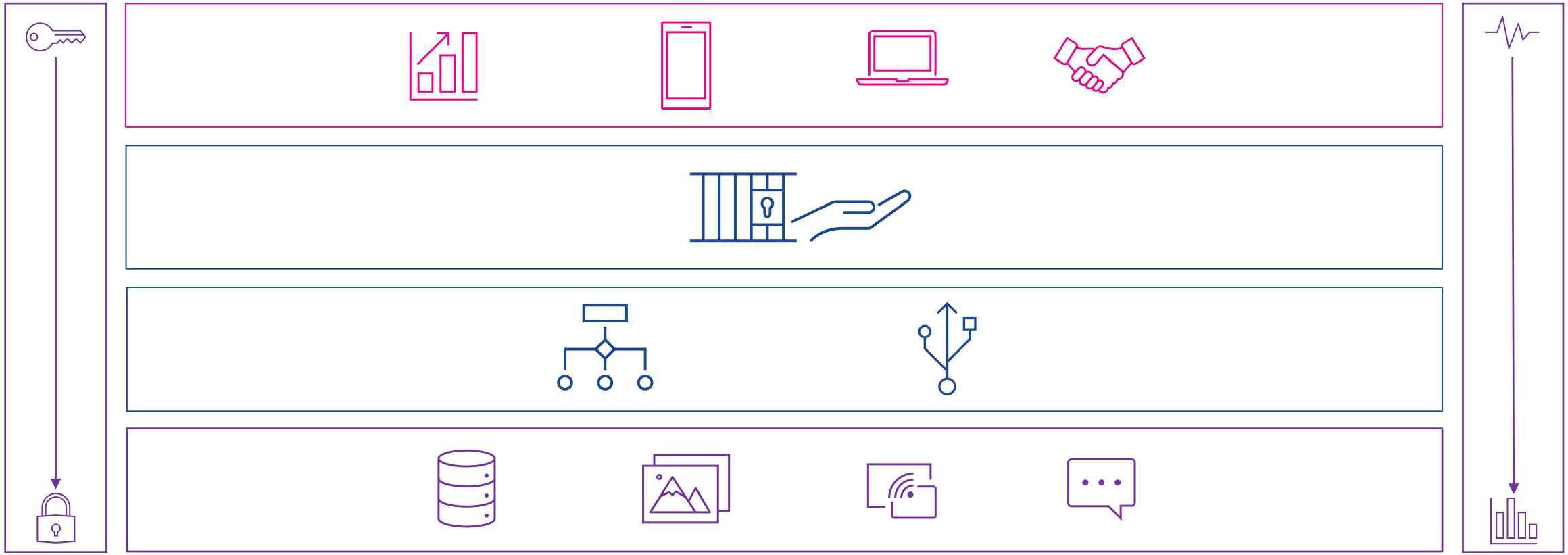
Bedrijfsgegevens integreren, orkestreren, ontsluiten en consumeren



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Functionaliteit op hoog niveau

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De veelgebruikte Azure-services

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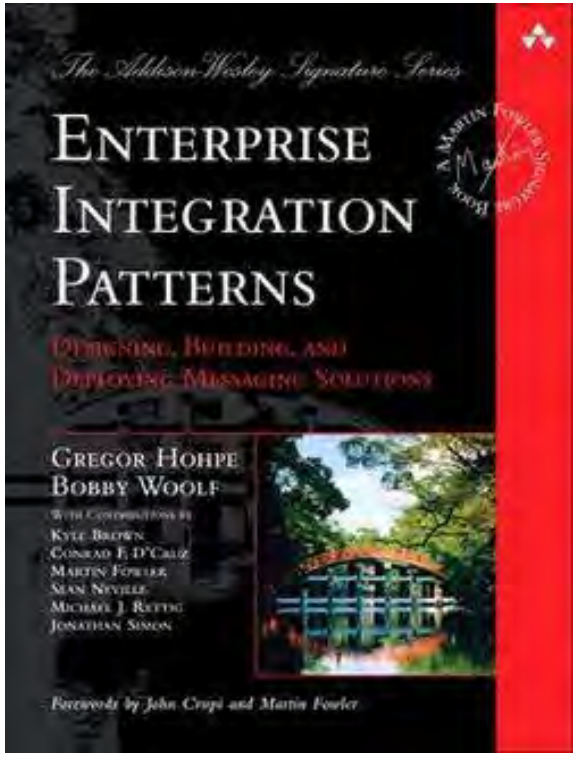
Enterprise Integration Patterns



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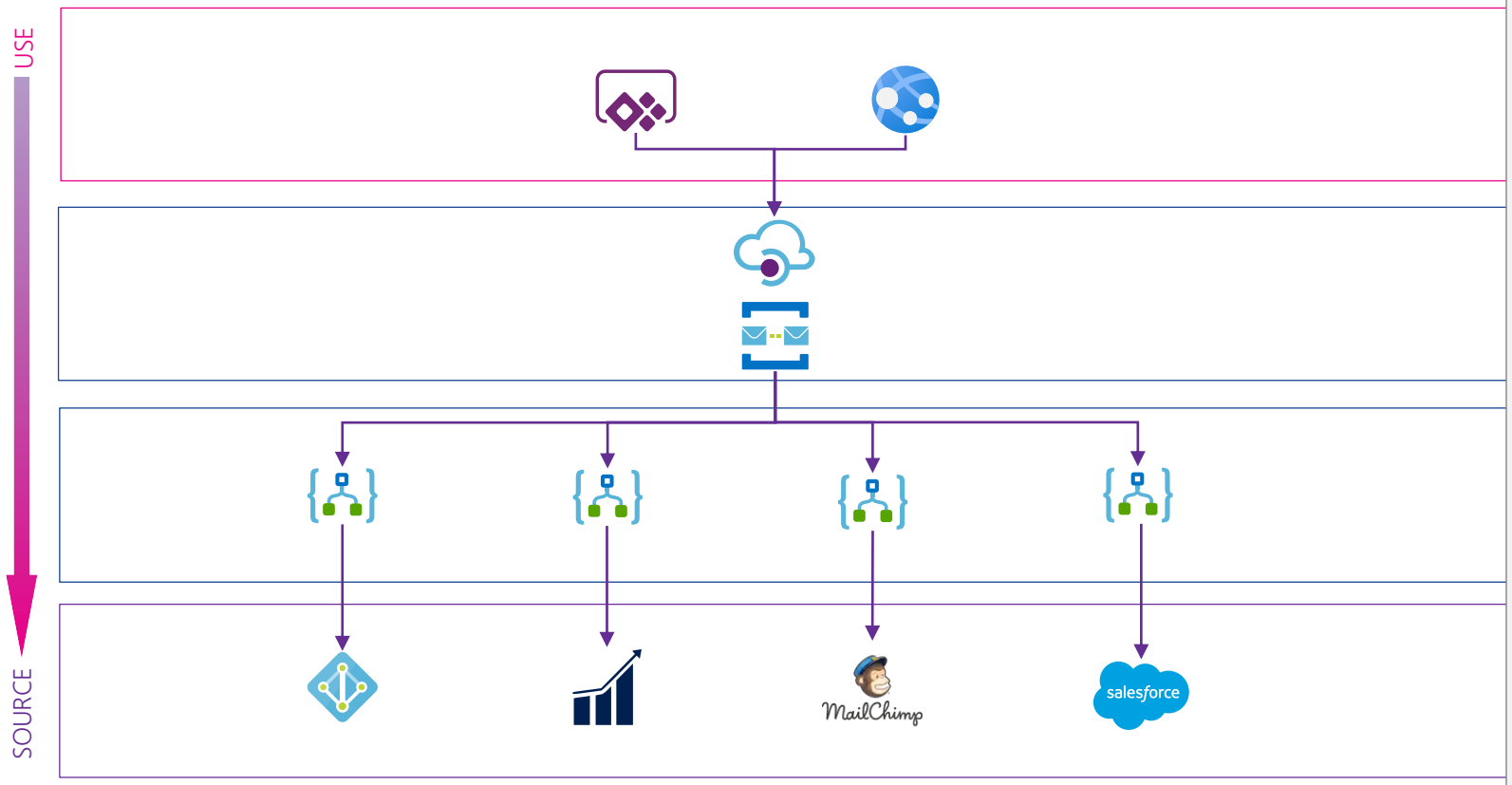
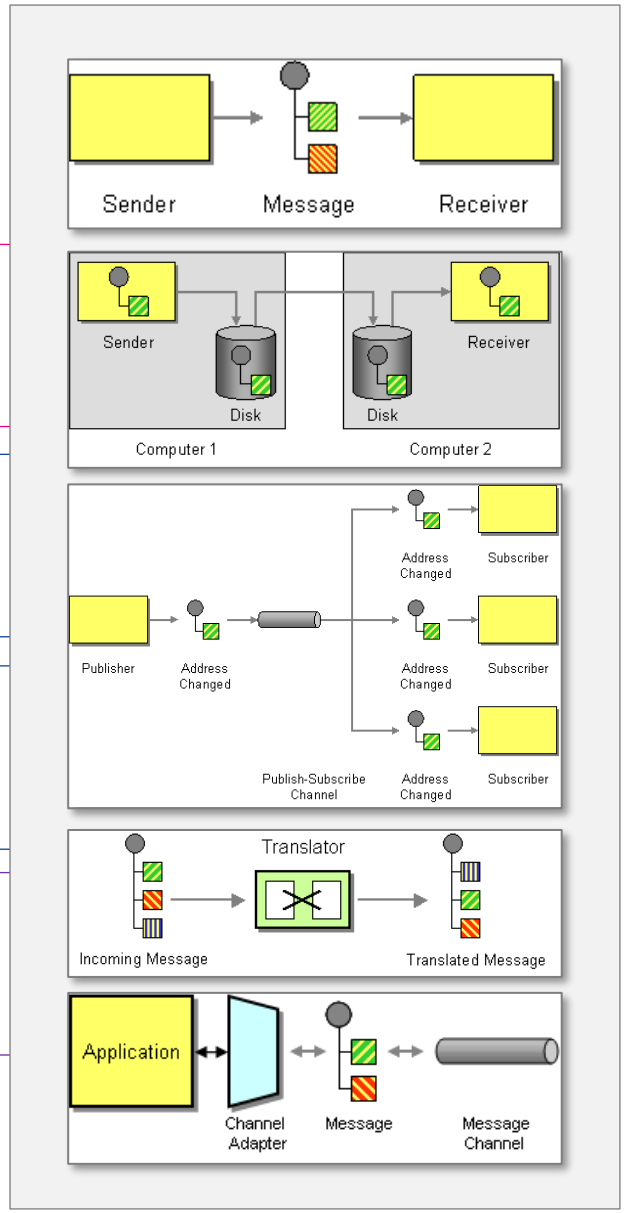
Scenario · Account aanmaken

Message · Guaranteed Delivery · Publish Subscribe · Translator · Adapter





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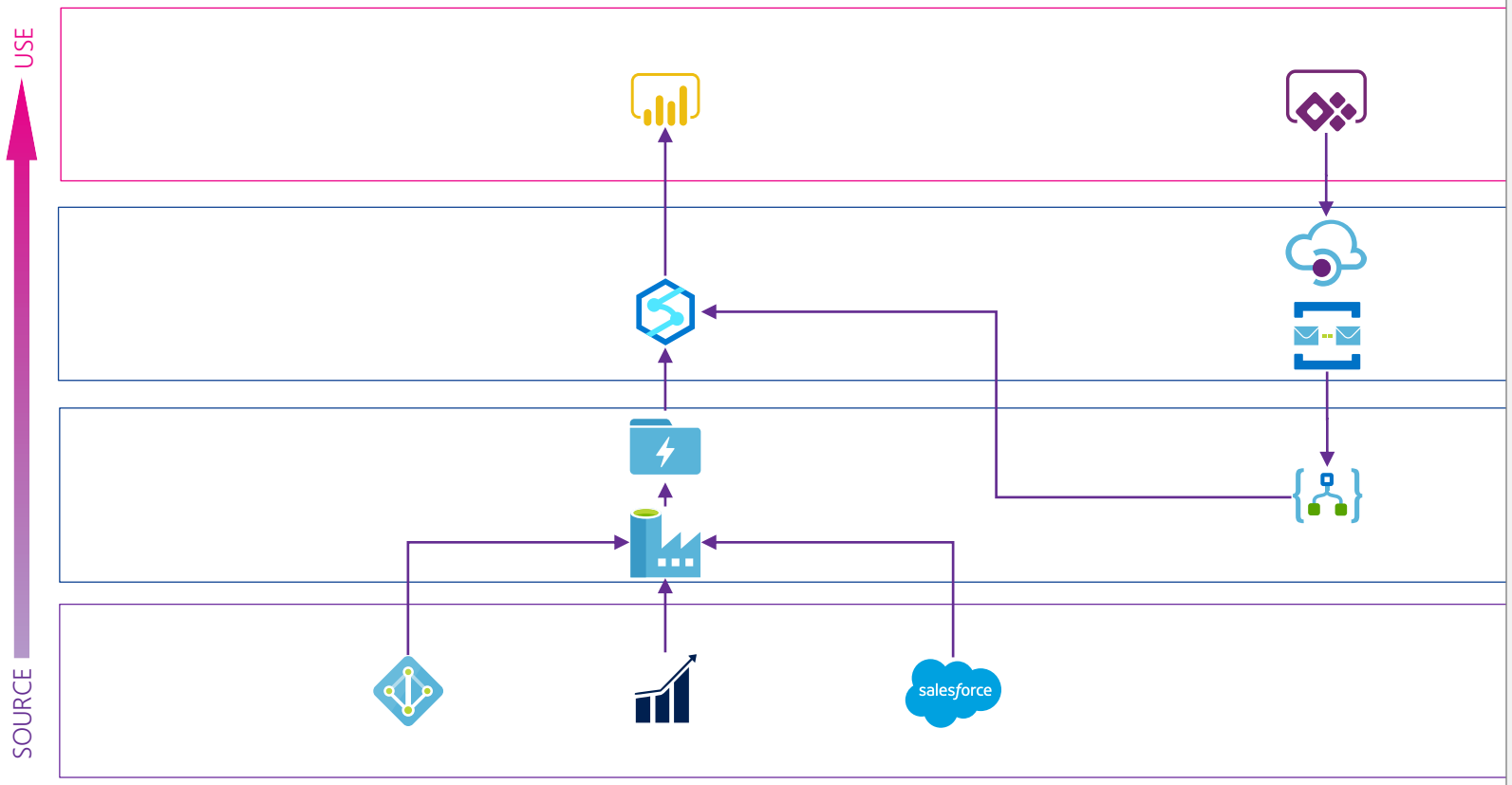
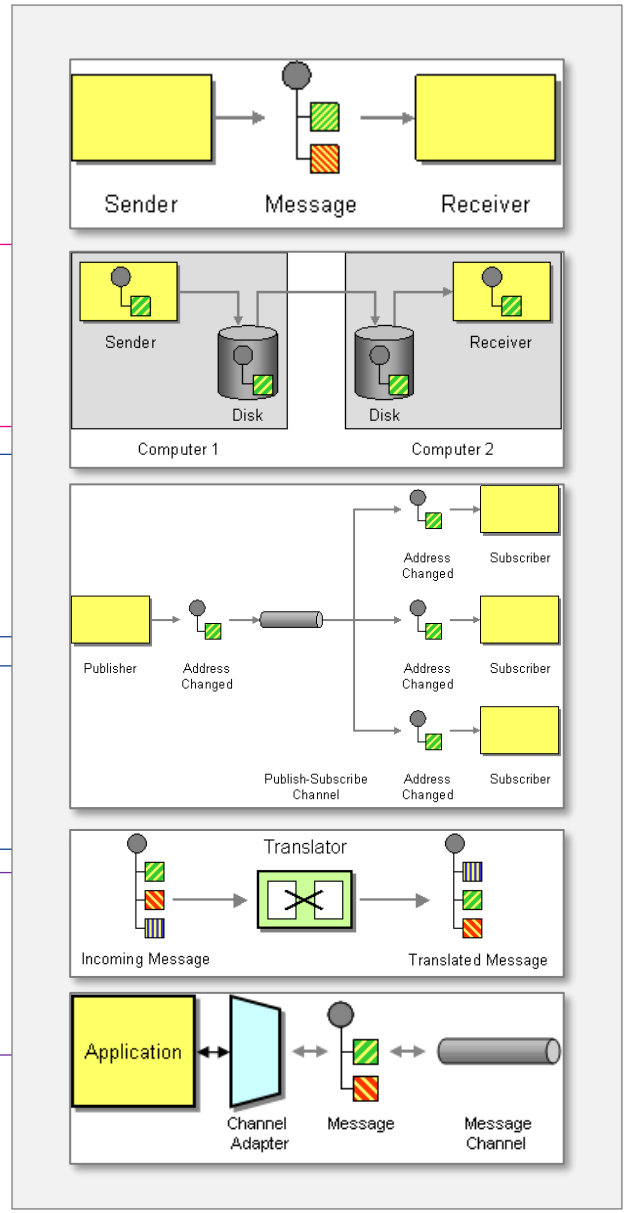
Scenario · Near Real-Time inzichten

ETL · Message · Guaranteed Delivery · Publish Subscribe · Translator · Adapter





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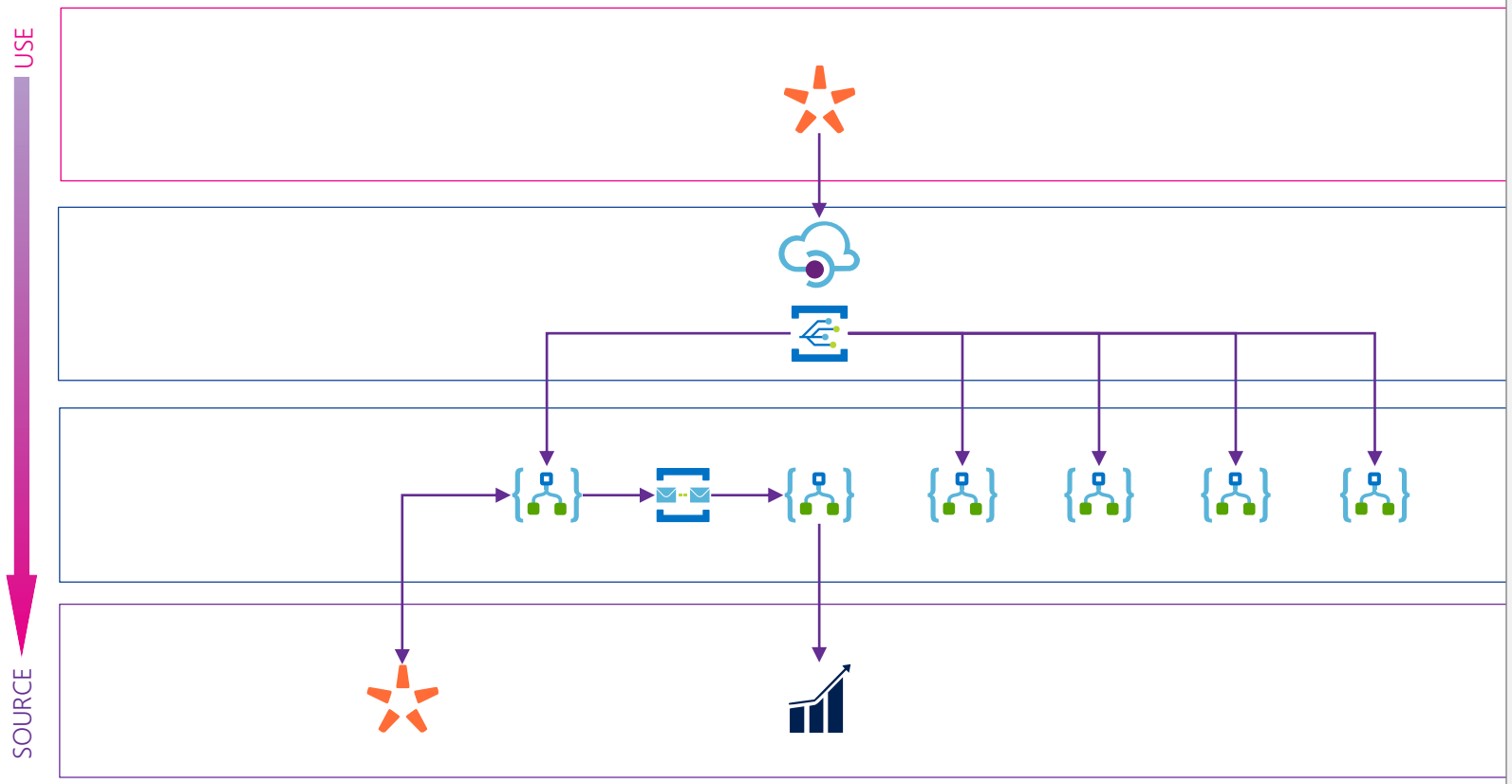
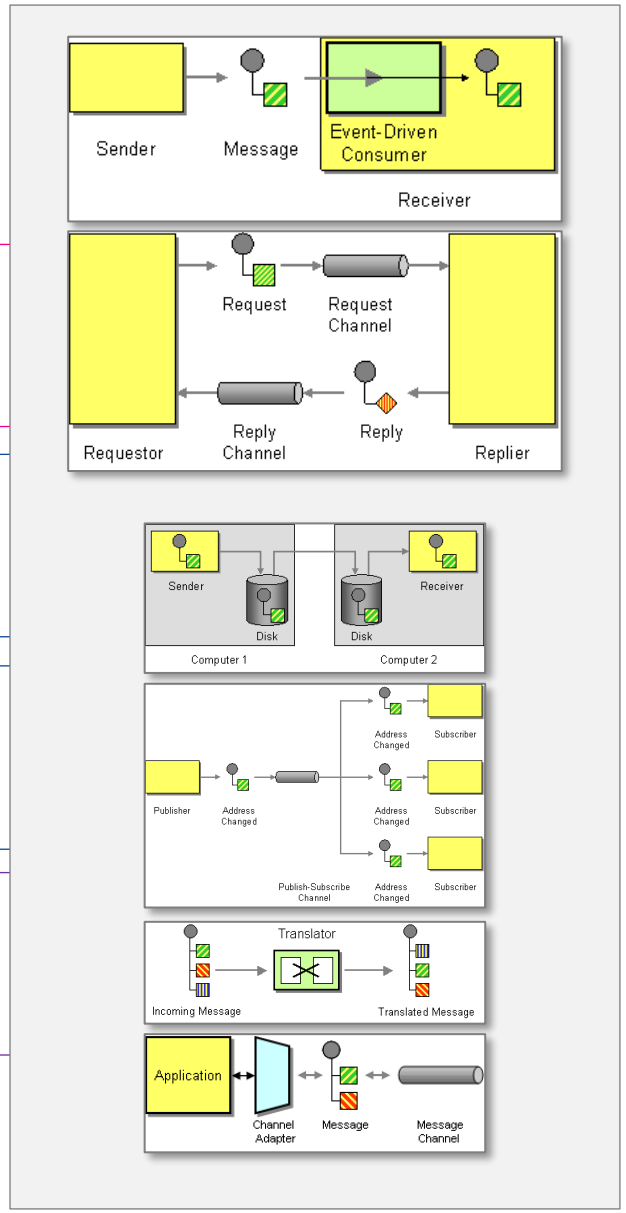
Scenario · Supply Chain Shipments

Event · Request-Reply · Guaranteed Delivery · Pub-Sub · Translator · Adapter





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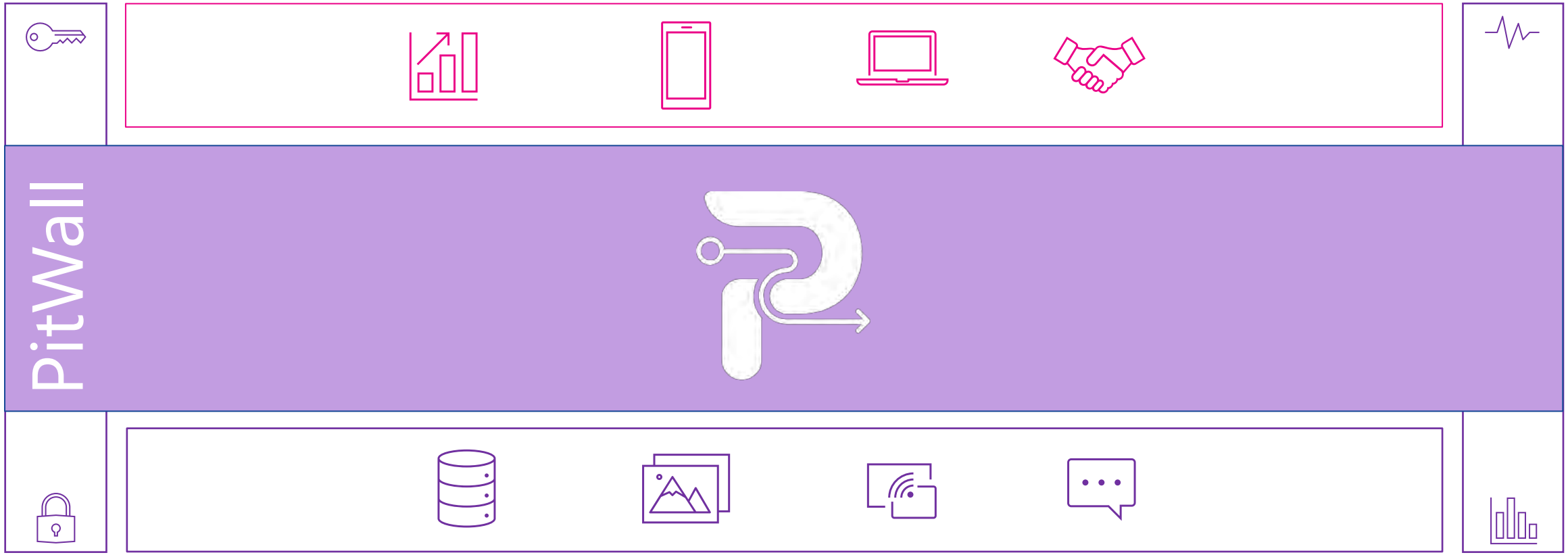
The Motion10 Integration & Analytics Platform



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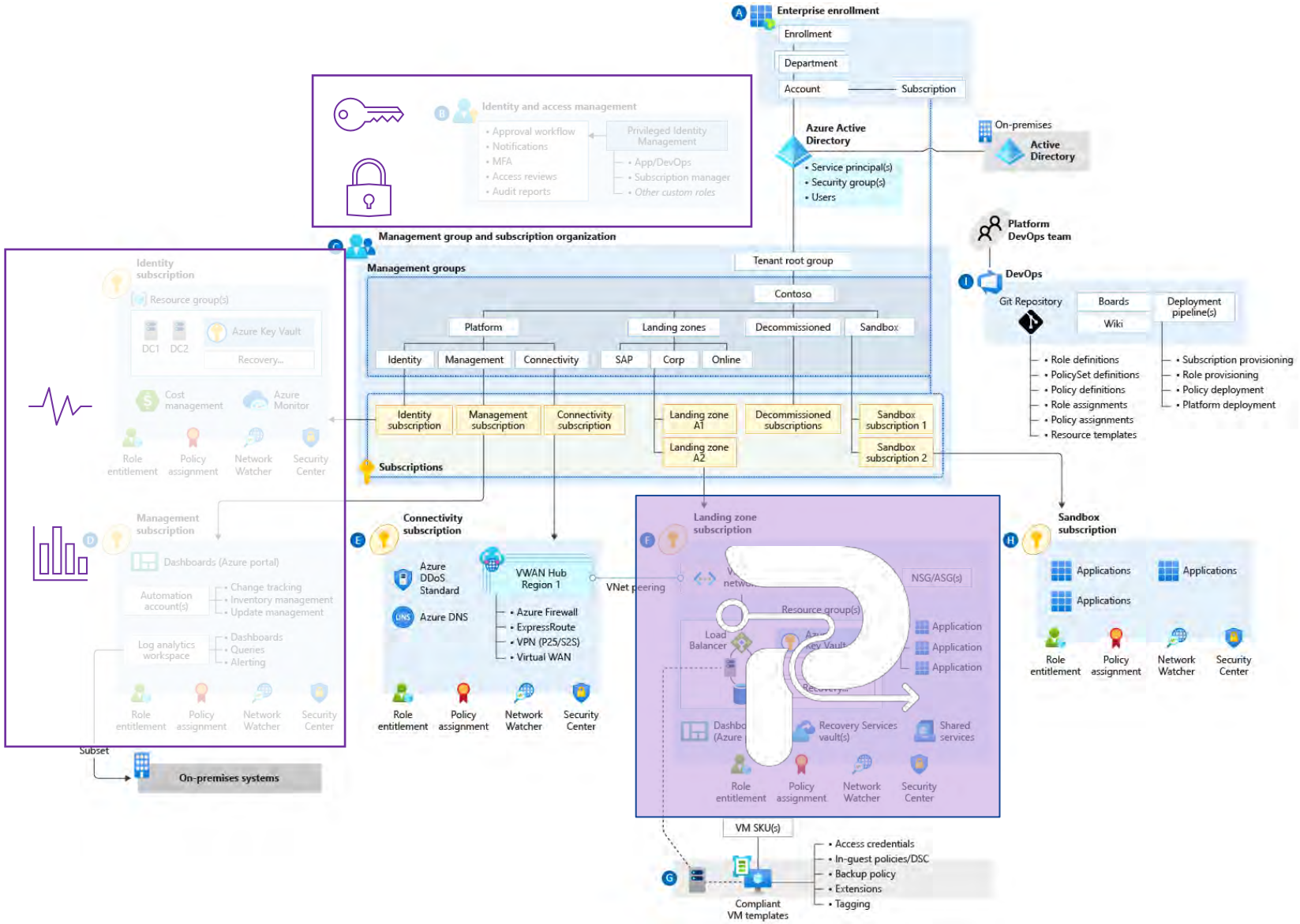
Enterprise-scale landing zone



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Motion10
Maak(t) uw digitale innovatie succesvol

Basis op Orde

Strategie, Techniek & Functioneel

Mens & Organisatie

Verandering
Adoptie

Trajectbegeleiding

Route naar Succes

Azure Landingzone	Geautomatiseerde uitrol van de PitWall platform infrastructuur.
Roadmap realisatie	Functionaliteiten realiseren o.b.v. geprioriteerde Epics, Features van de backlog
Operations	Incident & change management, monitoring, assessments
Security & Compliance	Blijvende aandacht voor Governance – Compliance – Security - Architectuur

Communicatie | Verandermanagement | Adoptie van Cloud | Opleiding | Change of IT | Becoming agile

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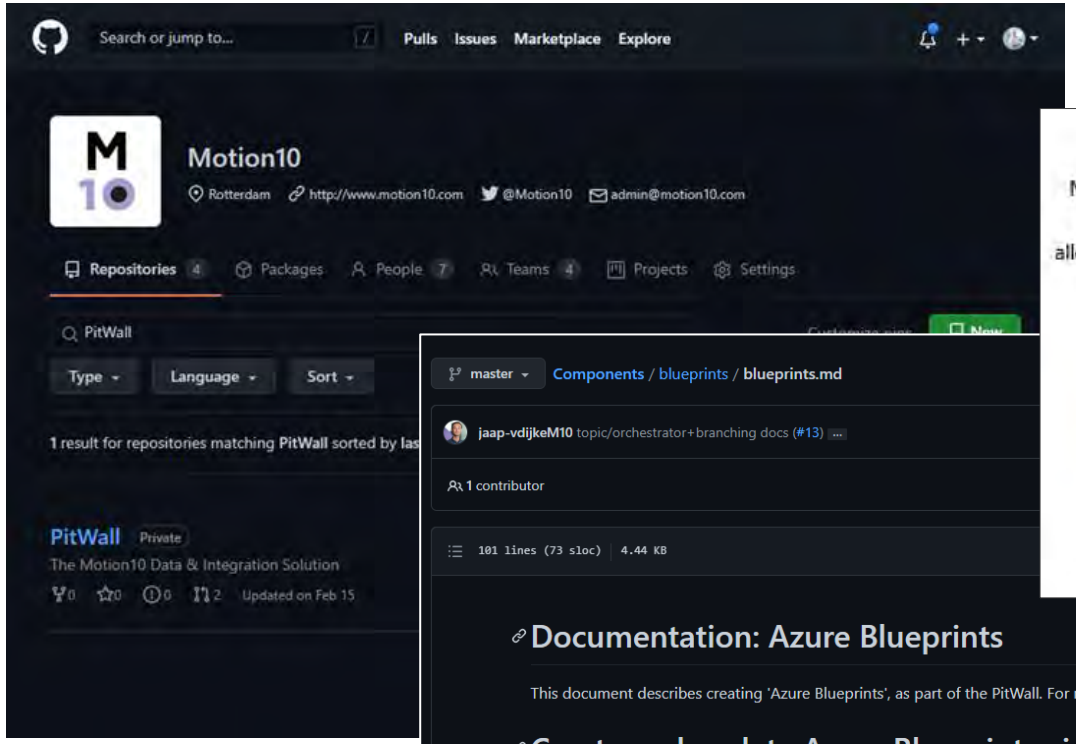
Microsoft Best practices & Motion10 experience

Infrastructure as Code (blueprints & templates), accelerators (MDF), guidelines & how to



master / Components / blueprints / blueprints.md

jaap-vdijkeM10 topic/orchestrator+branching docs (#13)

1 contributor

101 lines (73 sloc) | 4.44 KB

Documentation: Azure Blueprints

This document describes creating 'Azure Blueprints', as part of the PitWall. For more information: Azure Blueprints

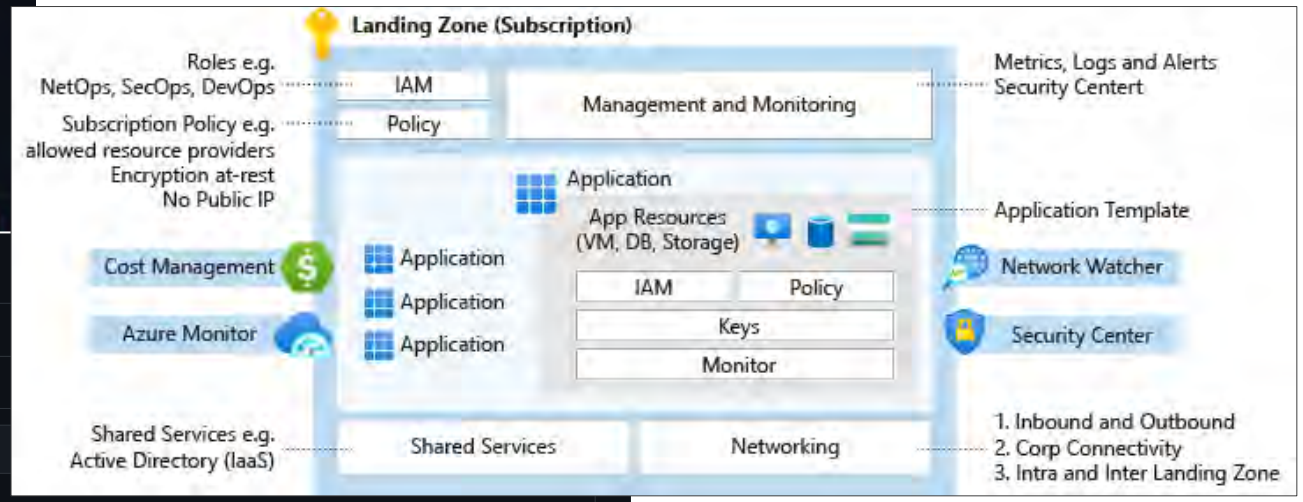
Create and update Azure Blueprints via the Azure Portal

In the Azure Portal, go to:

- Blueprints > Blueprint definitions > + Create blueprint > Blank Blueprint OR
- Blueprints > Getting started > Create [a blueprint] > Blank Blueprint.

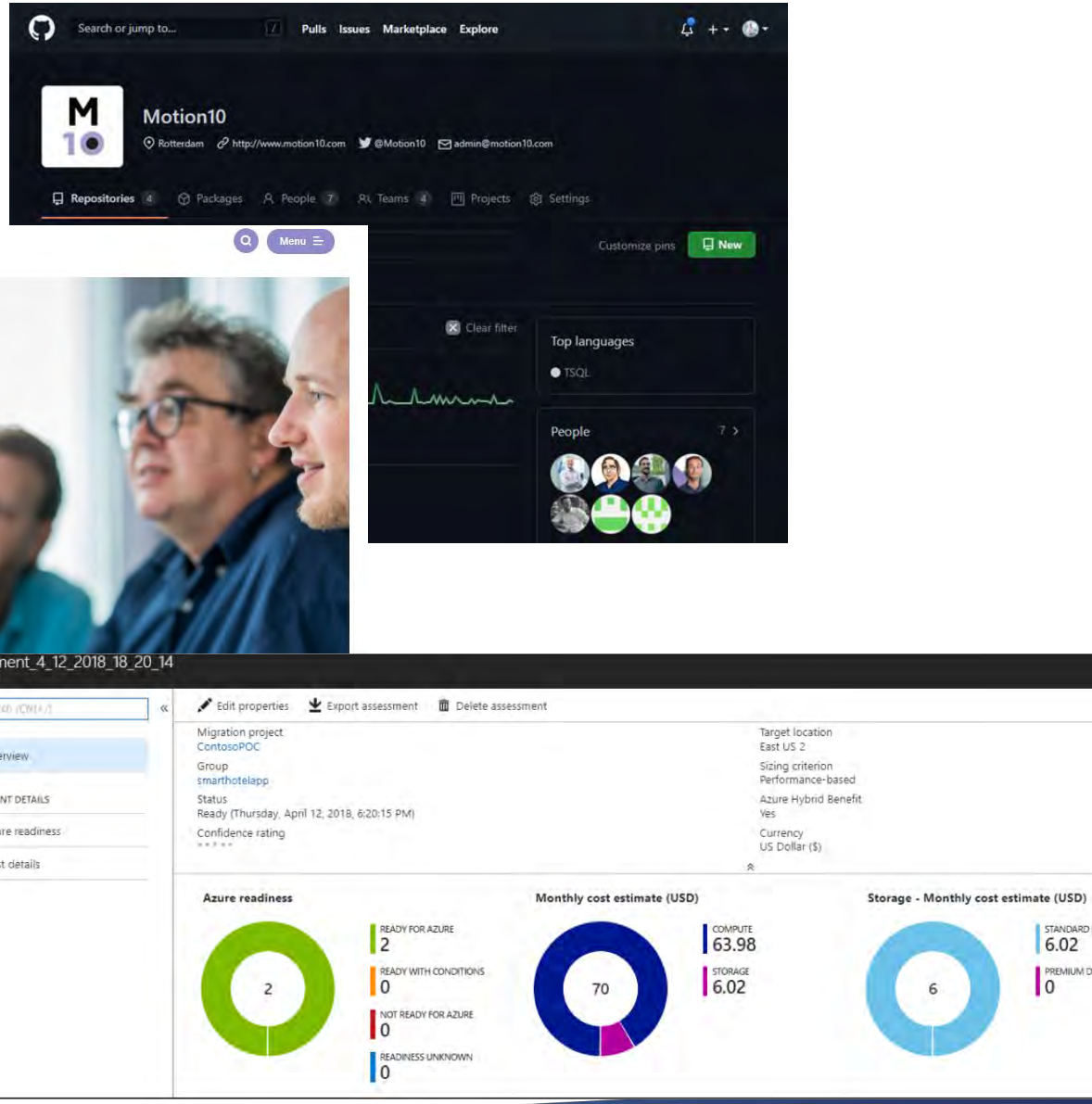
Give the new Blueprint a name and define the location [subscription] where it resides. Next: now you can add artifacts to the specified subscription like:

- Policy assignment
- Role assignment
- Azure Resource Manager template[s] (ARM)
- Resource Group



Managed Services

- New Releases & Updates
  - Accelerators
  - Rapportage's
  - Standaard componenten
- Service management
  - Monitoring & Management
  - Change Management
  - Incident Management
  - Technisch Beheer
  - Applicatie Beheer
  - Rapportage en overleg
  - Innovatie
- Periodieke Assessments
  - Security
  - Performance
  - Costs
  - Trend



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PitWall Integratie offer Microsoft en Motion10

Van ontwerp tot operationeel

in slechts vijf stappen

MVP definiëren

Technisch ontwerp

Azure DevOps

Platform uitrol

PitWall operationeel

PitWall Minimum Viable Product (MVP)

PitWall Minimum Viable Product (MVP)

Wilt u weten hoe cloud integratie kan bijdragen aan uw digitale strategie en het realiseren van uw organisatiedoelstellingen? Wilt u daarbij ook met uw IT-afdeling ervaren hoe gemakkelijk het uitrollen van deze op Microsoft best practice gebaseerde Azure infrastructuur is? Dan gaan wij graag met u een kort traject aan voor een Proof of Value met de PitWall. Motion10 heeft hiervoor een PitWall MVP ontwikkeld. In een aantal onderdelen van de totale PitWall-aanpak werken wij in 5 stappen naar een API- of integratie MVP welke operationeel is binnen uw Azure omgeving.

Van intake tot inzichten in slechts vijf weken

Workshop PitWall MVP
- Dit kan een bestaande of nieuwe API of integratie zijn;
- Onderwerpen tijdens deze workshop zijn Value Discovery, MVP Scenario en Succescriteria.

Workshop Technisch ontwerp
- Hiermee bepalen we scope, de Azure services en de minimale requirements t.b.v. succescriteria voor de PitWall MVP;
- Opstellen backlog t.b.v. de PitWall MVP

PitWall Platformuitrol
- Hiervoor gebruiken we de standaard PitWall templates en accelerators o.b.v. Microsoft Best Practices aangevuld met de Motion10 ervaringen.

Azure DevOps Inrichting
- Code repository inrichten
- Backlog refinement en taken toewijzen
- Geautomatiseerde deployment van het platform

PitWall productie gereed
- Ontwikkeld en opgeleverd MVP scenario in de acceptatie omgeving.
- Acceptatie o.b.v. gezamenlijke acceptbepaling & succescriteria uit stap 1 & 2
- Release naar productie waarmee de PitWall MVP operationeel is.

Resultaat

Na het doorlopen van deze 5 stappen heeft u een PitWall MVP rondom een API of integratie o.b.v. Azure Integration Service operationeel in productie. De Azure DevOps inrichting van CI/CD proces voor het geautomatiseerd uitrollen naar de diverse Azure omgevingen is gereed. De backlog en code repository is in de Azure DevOps omgeving ingericht, alsmede de basis inrichting van het bijbehorende Scrum proces. De toegevoegde waarde voor uw organisatie en time-to-market van de PitWall zijn in grote lijnen gezamenlijk uitgewerkt

Meer weten over de PitWall?

Wilt u weten wat de PitWall voor uw organisatie kan opleveren of een offerte op maat? Neem dan contact op met uw Motion10 Accountmanager of Emiel Kool, Solution Lead bij Motion10.

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https://twitter.com/EmielKool

https://www.linkedin.com/in/EmielKool

+31611169283

REALIZING POTENTIAL TOGETHER

PitWall

Microsoft Azure

Search resources, services, and docs

- Create a resource
- All services
- FAVORITES
- Dashboard
- All resources
- Resource groups
- App Services
- Function Apps
- SQL databases
- Azure Cosmos DB
- Virtual machines
- Load balancers
- Storage accounts
- Virtual networks
- Azure Active Directory
- Monitor
- Advisor
- Security Center
- Cost Management + Billing
- Help + support
- Application Insights

fabrikamprod Dashboard

New dashboard | Upload | Download | Edit | Unshare | Full screen | Clone | Delete

fabrikamprod
APPLICATION INSIGHTS

fabrikamprod
ALERTS (CLASSIC)
1 2

Smart Detection
1
Detection (7d)

Live Stream
2
Servers

44%
Availability

App map

Usage

Edit

6.5 K
Users

Reliability

Edit

Failures
FABRIKAMPROD

Responsiveness

Edit

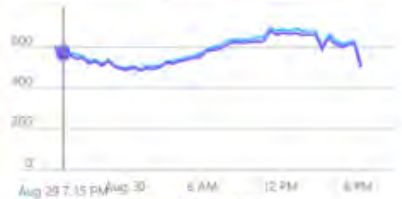
Performance
FABRIKAMPROD

Browser

Edit

BROWSERS

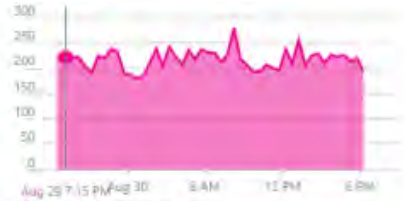
Unique sessions and users



SESSIONS (UNIQUE)
FABRIKAMPROD
582

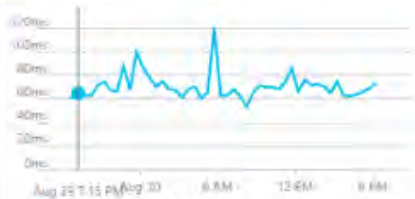
USERS (UNIQUE)
FABRIKAMPROD
568

Failed requests



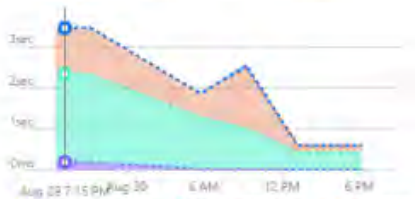
FAILED REQUESTS (SUM)
FABRIKAMPROD
222

Server response time



SERVER RESPONSE TIME (AVG)
FABRIKAMPROD
64.95 ms

Average page load time breakdown

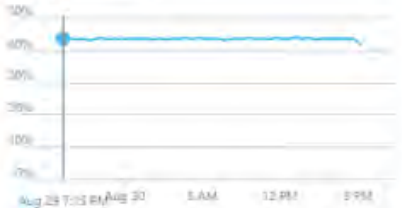


PAGE LOAD NETWORK...
FABRIKAMPROD
--

CLIENT PROCESSING...
FABRIKAMPROD
--

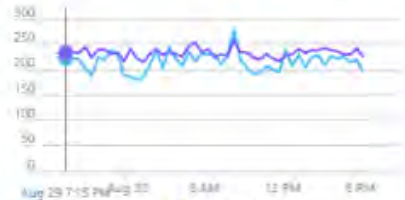
SEND REQU
FABRIKAMP
--

Average availability



AVAILABILITY (AVG)
FABRIKAMPROD
43.59 %

Server exceptions and Dependency failures



SERVER EXCEPTIONS...
FABRIKAMPROD
222

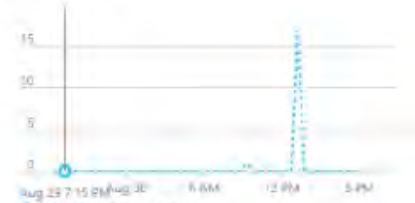
DEPENDENCY FAILUR...
FABRIKAMPROD
235

Average processor and process CPU utilization

PROCESSOR TIME (A...
FABRIKAMPROD
7.55 %

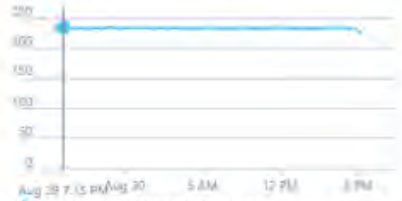
PROCESS CPU (AVG)
FABRIKAMPROD
0.41 %

Browser exceptions



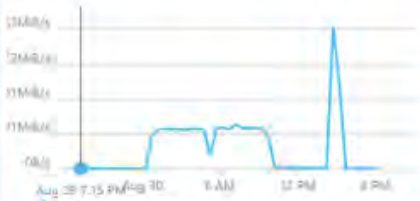
BROWSER EXCEPTIONS (SUM)
FABRIKAMPROD
--

Availability test results count



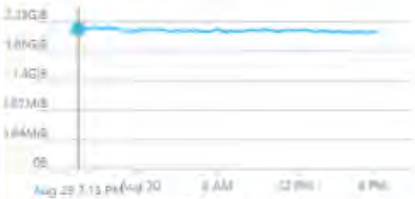
AVAILABILITY TEST RESULTS COUNT (SUM)
FABRIKAMPROD
234

Average process I/O rate



PROCESS IO RATE (AVG)
FABRIKAMPROD
9.49 KB/s

Average available memory



AVAILABLE MEMORY (AVG)
FABRIKAMPROD
2.21 GB

Monitoring & Analytics

+ New dashboard | Upload | Download | Edit | Unshare | Full screen | Clone | Delete

Add filter

Application

Edit

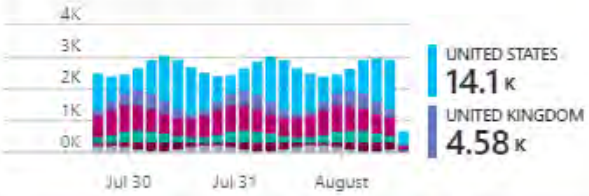
Total of Failed requests by Operation name

CONTOSORETAILWEB

OPERATION ...	TOTAL	% TOTAL
GET Cust...	285	75.4%
GET Servi...	29	7.7%

Users

CONTOSORETAILWEB - USERS - 3 DAYS



Failed requests

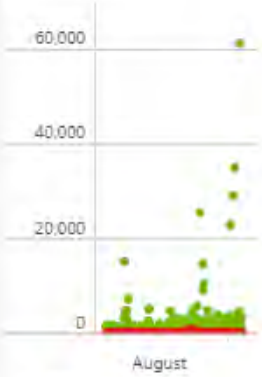
Server response time

Server exceptions and Dependency failures

Average processor and process CPU utilization

Availability test sum...

CONTOSORETAILWEB



AVAILABILITY

97.2 %

Application map

CONTOSORETAILWEB - LAST 24 HOURS

Live Stream

CONTOSORETAILWEB

4 servers

Security

Edit

Security Center

Showing subscription 'MSDIX SCOM'

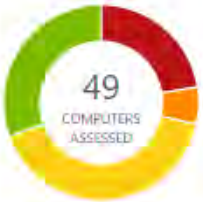
Antimalware Assessment

Active Threats
0

Remediated Threats
0

Insufficient Protection
10

System Update Assessment



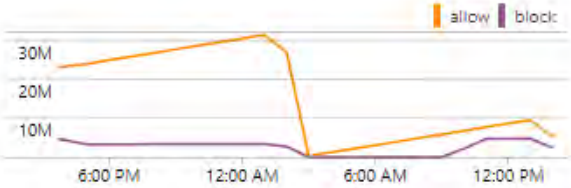
Need Critical Updates
11

Need Security Updates
3

Need Other Updates
20

Up To Date
15

Azure Network Security Group Analytics



Infrastructure & Network

Edit

Service Map

9
Machines reporting
(Last 30 min)

11
All-time machines reporting

11 0

Network Performance Monitor

Network Monitoring Requires Attention

3

of 14 Service Connectivity Tests Unhealthy

Executive Insights

How are we performing?

1 Select a measure.

- Total Profit
- Total Quantity
- Total Revenue

2 Select a perspective.

Product Category: All

Order Type: All

Year: 2014

$847M
Total Profit

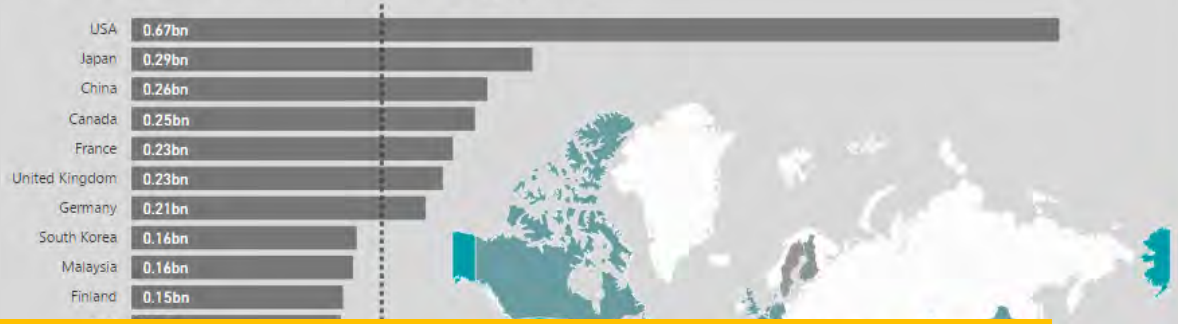
22 %
Profit Margin

866
Average Order Quantity

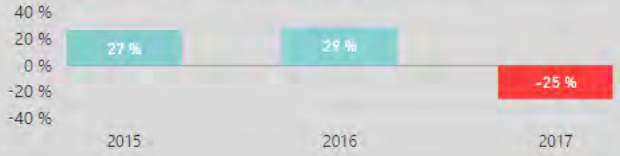
21M
Total Quantity

$4bn
Total Revenue

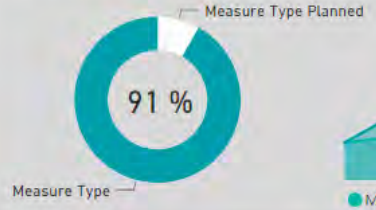
How is our Total Revenue distributed geographically?



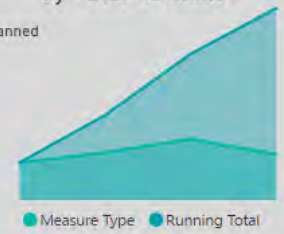
What is our YoY% change in Total Revenue?



How close are we to our planned Total Revenue?



What is my Running Total by Total Revenue?

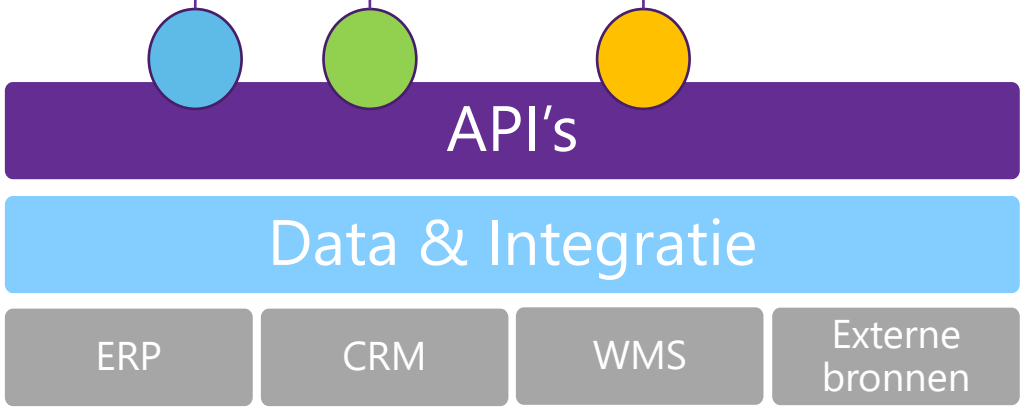


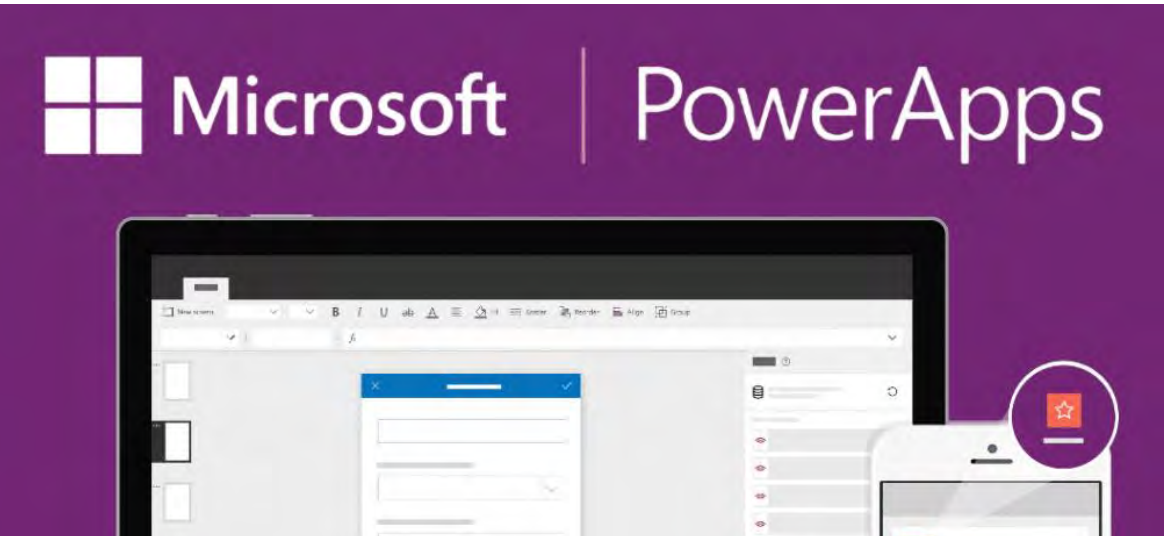
What are my Top 5 products by Total Revenue?

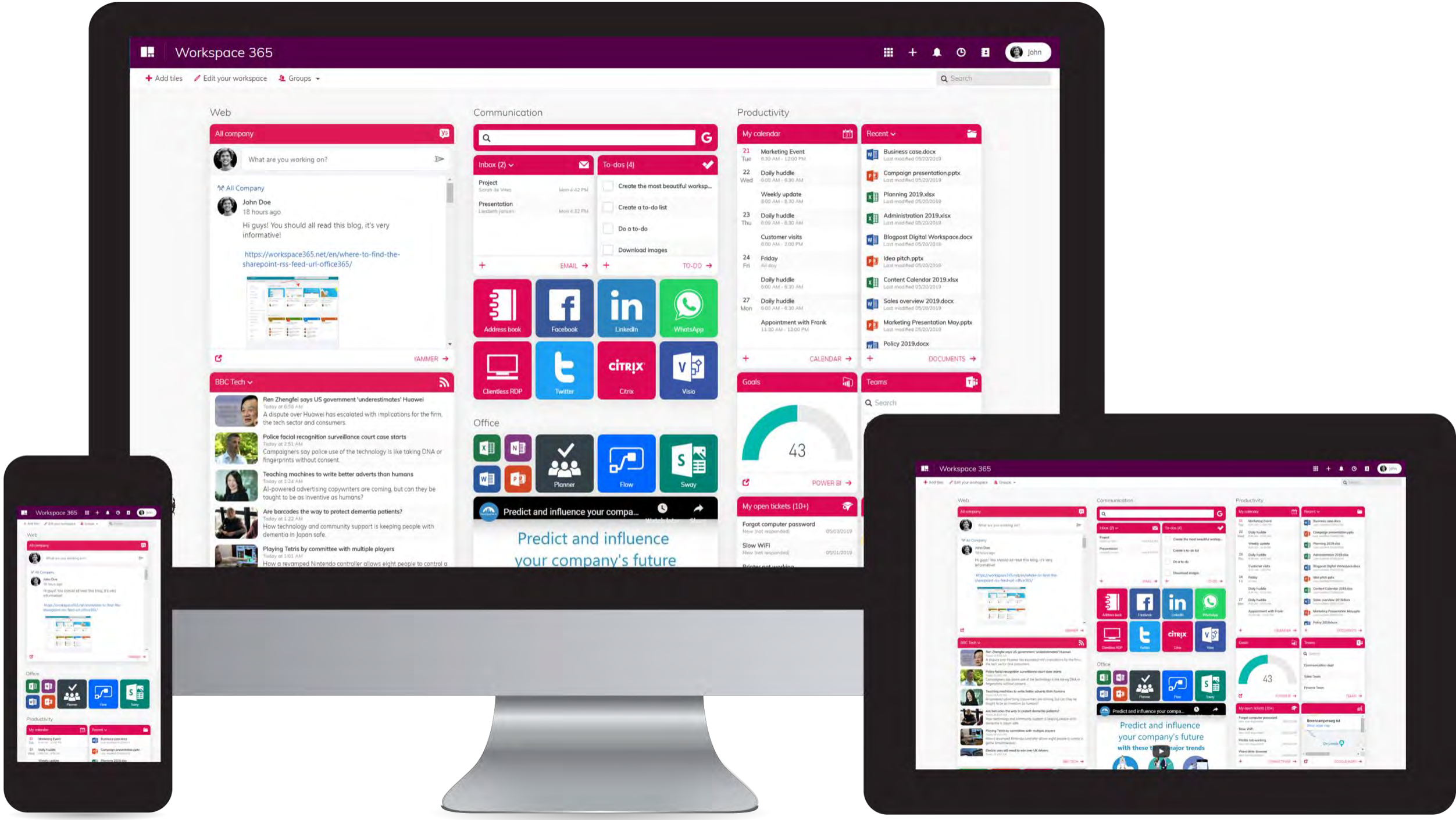
Top 5

Power BI

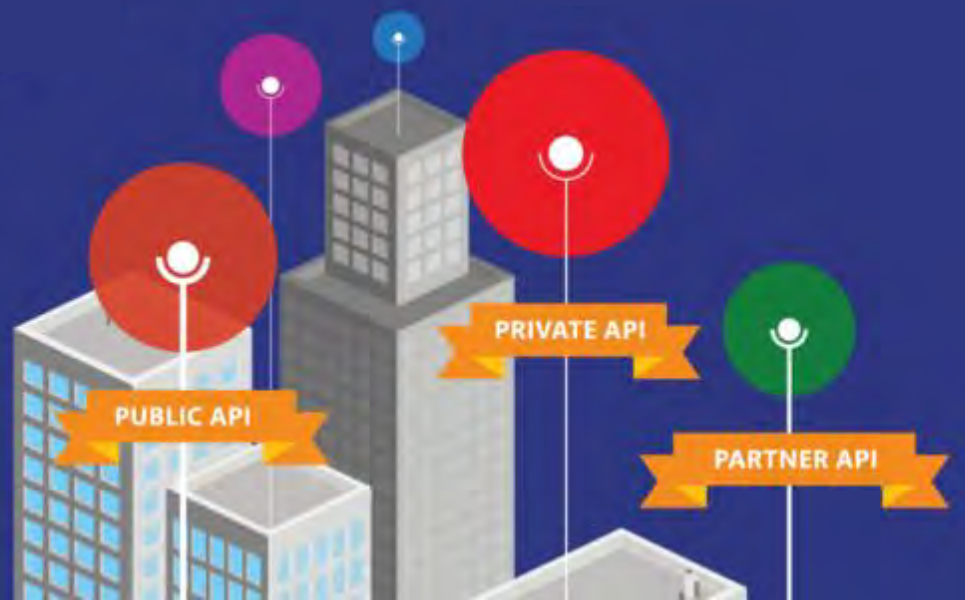
Missende onderdelen
3
Nabijgelegen magazijn
Acme BV - 4 km
Openstaande taken
12
Van
23:41
Tot
23:41
Reisafstand
78.4
0km
10km
Dashboard
Taken
Inventaris
Zoeken
Instellingen

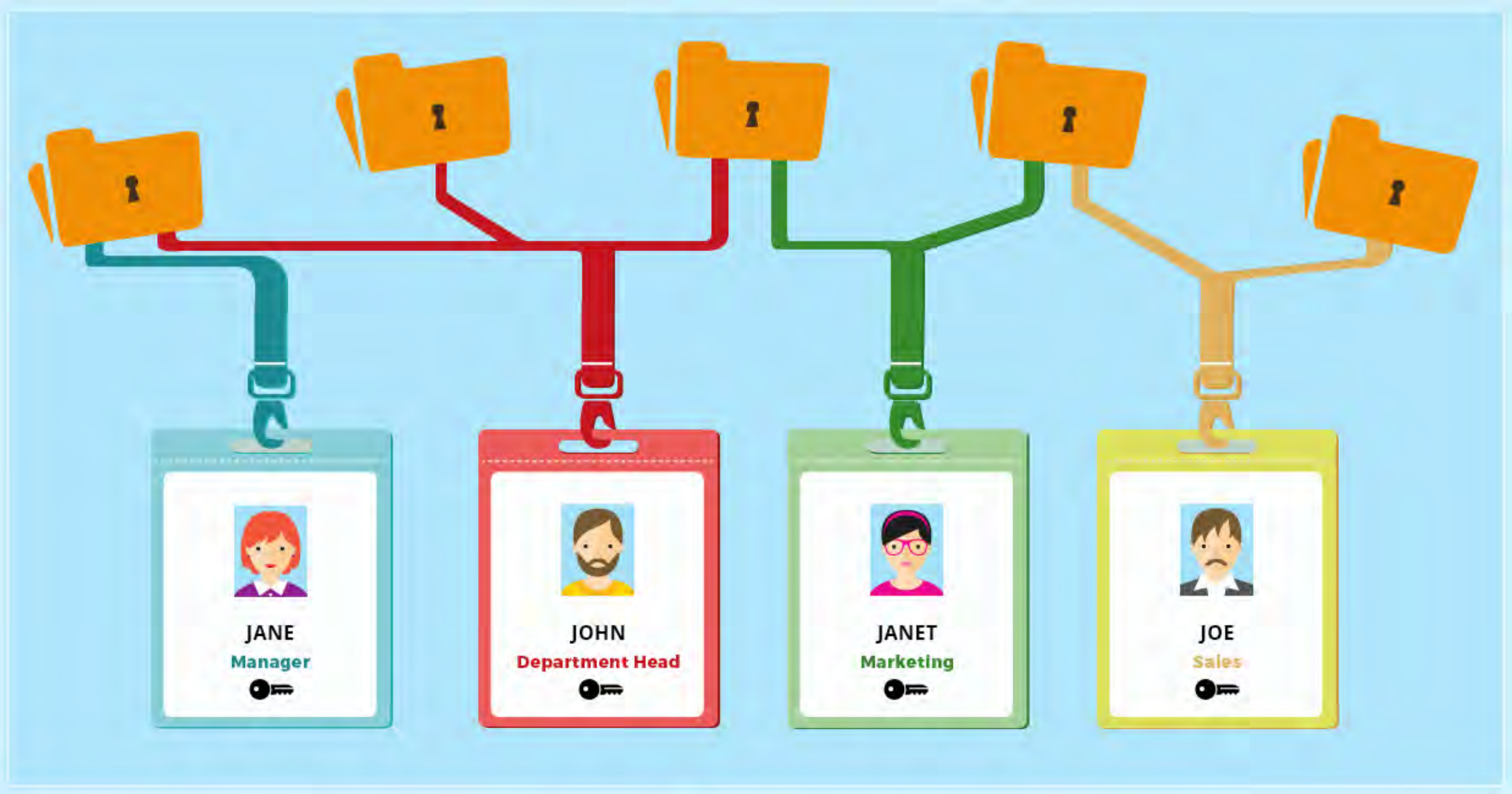

API's
Data & Integratie
ERP
CRM
WMS
Externe bronnen

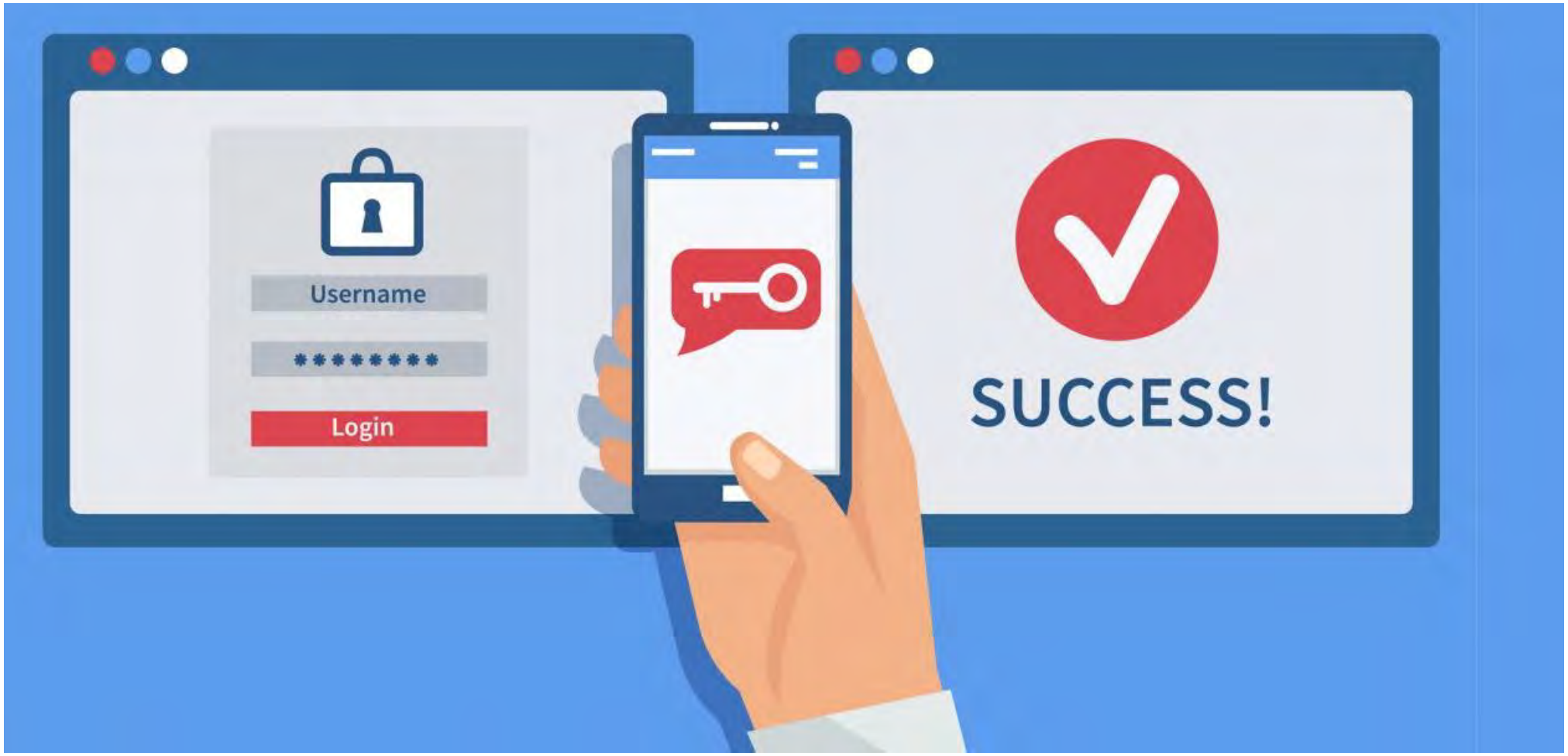

Microsoft
PowerApps


Workspace 365
Add tiles
Edit your workspace
Groups
Search
John
Web
All company
What are you working on?
All Company
John Doe
18 hours ago
Hi guys! You should all read this blog, it's very informative!
https://workspace365.net/en/where-to-find-the-sharepoint-rss-feed-url-office365/
YAMMER
BBC Tech
Ren Zhengfei says US government 'underestimates' Huawei
A dispute over Huawei has escalated with implications for the firm, the tech sector and consumers.
Police facial recognition surveillance court case starts
Campaigners say police use of the technology is like taking DNA or fingerprints without consent.
Teaching machines to write better adverts than humans
AI-powered advertising copywriters are coming, but can they be taught to be as inventive as humans?
Are barcodes the way to protect dementia patients?
How technology and community support is keeping people with dementia in Japan safe.
Playing Tetris by committee with multiple players
How a revamped Nintendo controller allows eight people to control a
Communication
Inbox (2)
Project
Presentation
EMAIL
To-dos (4)
Create the most beautiful worksp...
Create a to-do list
Do a to-do
Download images
TO-DO
Address book
Facebook
LinkedIn
WhatsApp
Clientless RDP
Twitter
Citrix
Visio
Office
Planner
Flow
Sway
Predict and influence your compa...
Predict and influence your company's future
Productivity
My calendar
21 Tue Marketing Event
22 Wed Daily huddle
Weekly update
23 Thu Daily huddle
Customer visits
24 Fri Friday
Daily huddle
27 Mon Daily huddle
Appointment with Frank
CALENDAR
Recent
Business case.docx
Campaign presentation.pptx
Planning 2019.xlsx
Administration 2019.xlsx
Blogpost Digital Workspace.docx
Idea pitch.pptx
Content Calendar 2019.xlsx
Sales overview 2019.docx
Marketing Presentation May.pptx
Policy 2019.docx
DOCUMENTS
Goals
43
POWER BI
Teams
Search
My open tickets (10+)
Forgot computer password
Slow WiFi

Azure API Management




JANE
Manager
JOHN
Department Head
JANET
Marketing
JOE
Sales


Username
****
Login
SUCCESS!

SWAGGERhub SMARTBEAR

RPinkham23

TradeshowD... | SamplePets... | 1.0.0 OAS3

PRIVATE UNPUBLISHED

Editor Split UI

Last Saved: 12:46:55 pm May 4, 2018 VALID Save

https://virtserver.swaggerhub.com/TradeshowDemos/SamplePetstoreAPI/1.0.0

Show Comments

pet Everything about your Pets

Find out more: http://swagger.io

- POST /pet Add a new pet to the store
- PUT /pet Update an existing pet
- GET /pet/findByStatus Finds Pets by status
- ~~GET /pet/findByTags~~ Finds Pets by tags
- GET /pet/{petId} Find pet by ID
- POST /pet/{petId} Updates a pet in the store with form data
- DELETE /pet/{petId} Deletes a pet
- POST /pet/{petId}/uploadImage uploads an image

store Access to Petstore orders

Data Factory | Publish All | Validate All | Refresh | Discard All | Data Flow Debug | ARM Template

Factory Resources

Filter resources by name

- Pipeline
- Pipeline from template
- Dataset
- Data Flow (2)
- Copy Data

- ControlFlowDemos 2
- CopyDemos 4
- DatabricksDemos 5
- DataFlowDemos 6
  - IngestPipeline
  - ProductRecomPipeline
  - SalesAnalytcsPipeline
  - SalesAnalyticsDatabricksPipeli...
  - SalesAnalyticsPipeline
  - TransformPipeline
- HDIDemos 2
- ScenarioDemos 4
- SSISDemos 2
- Datasets 76
- Data Flows (Preview) 4

Connections

Triggers

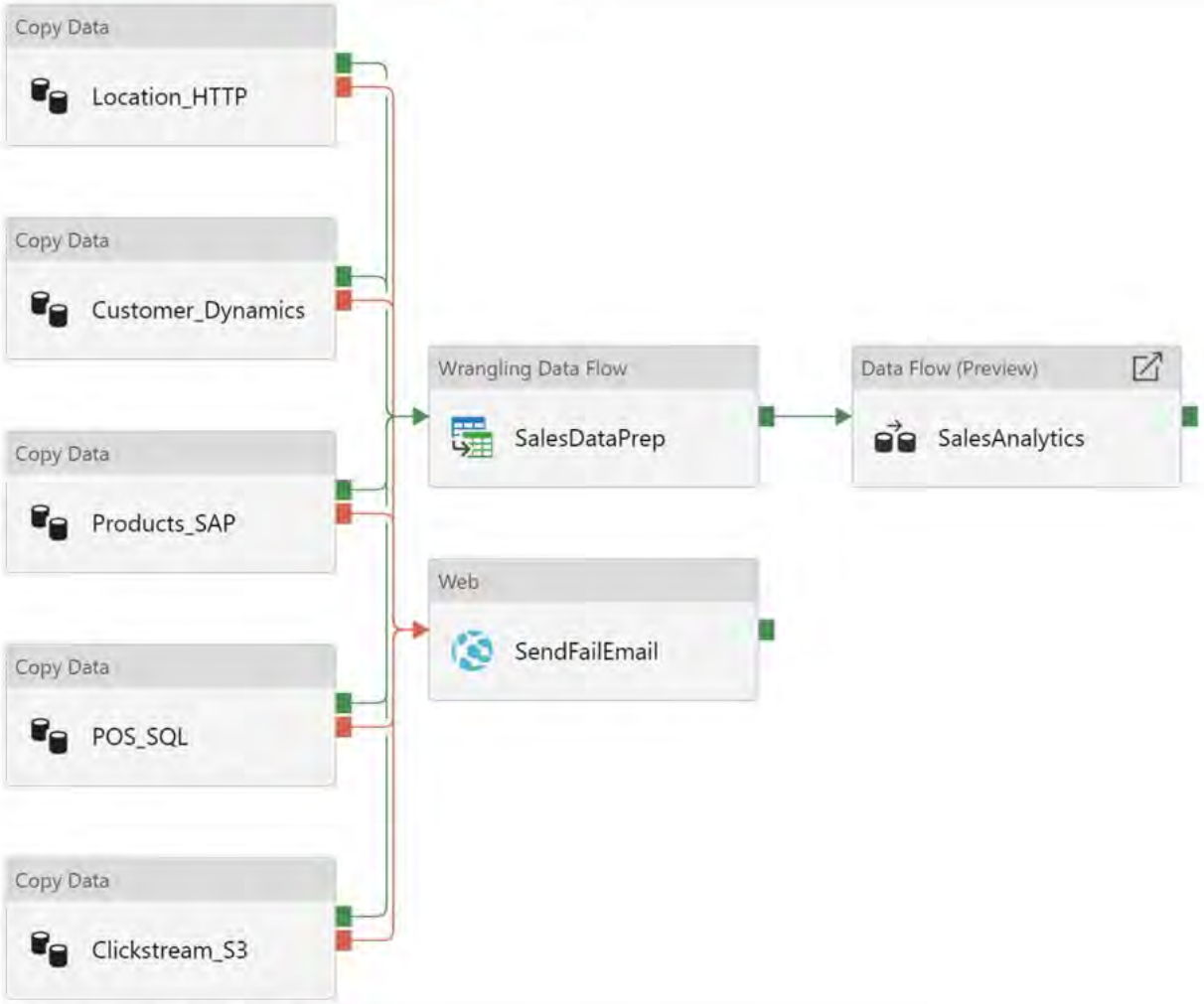
SalesAnalytics... | SalesAnalytcsP...

Activities (1)

Search Activities

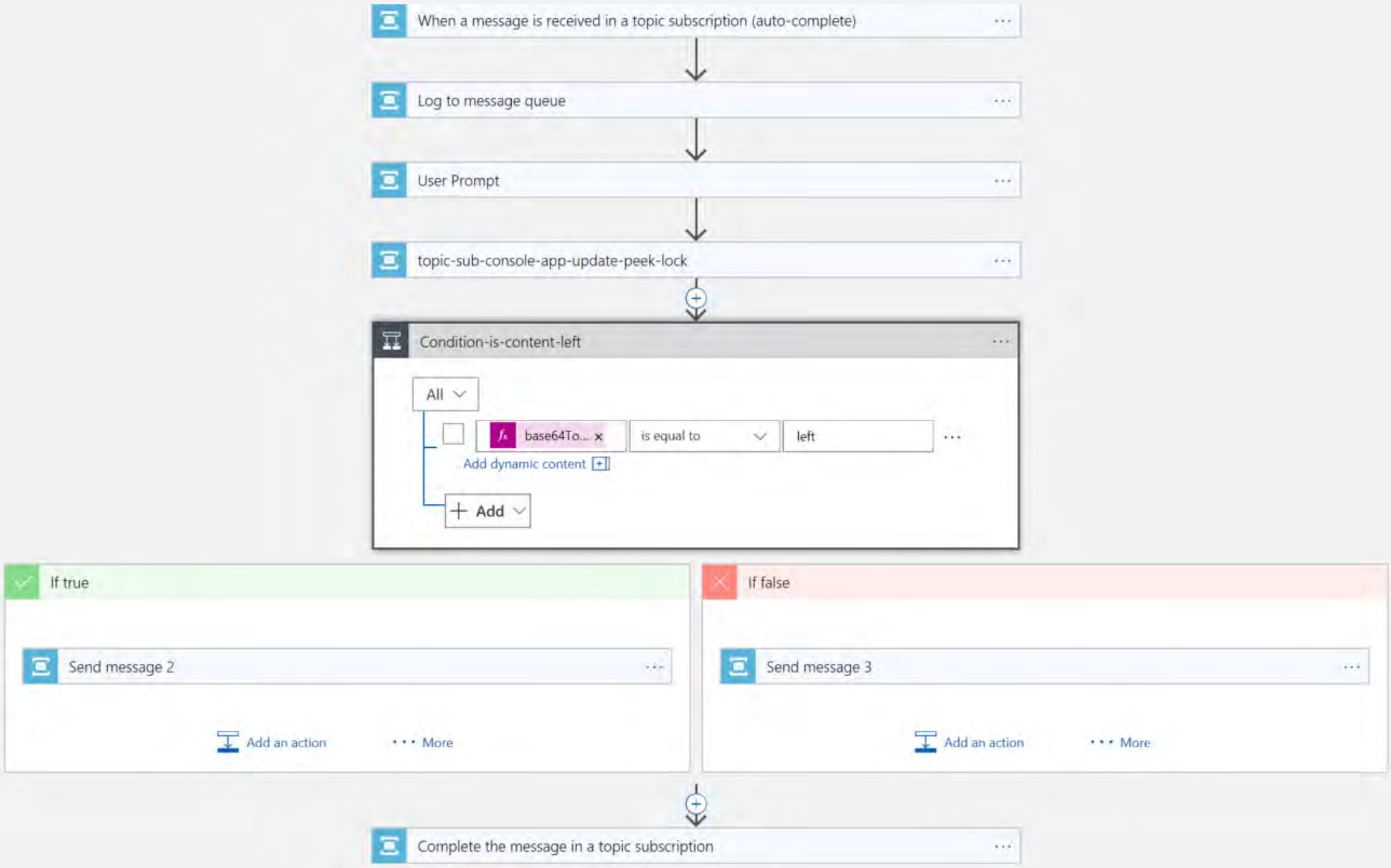
- **Move & Transform**
  - Copy Data
  - Data Flow (Preview)
- **Batch Service**
  - Custom
- **Databricks**
  - Notebook
  - Jar
  - Python
- **Data Lake Analytics**
  - U-SQL
- **General**
  - Append Variable
  - Azure Function
  - Delete
  - Execute Pipeline
  - Execute SSIS Package
  - Get Metadata

Save as template | Validate | Debug | Add trigger | Code



General | Parameters | Variables | Output

Name * SalesAnalytcsPipeline


When a message is received in a topic subscription (auto-complete)
Log to message queue
User Prompt
topic-sub-console-app-update-peek-lock
Condition-is-content-left
All
base64To...
is equal to
left
Add dynamic content
Add
If true
Send message 2
Add an action
More
If false
Send message 3
Add an action
More
Complete the message in a topic subscription