SAFE SOFTWARE

WORLD TOUR 2019

Level 2: FME 2019 Scenarios

FME Server

To advance we must solve 5 challenges

PRESENTATION AGENDA

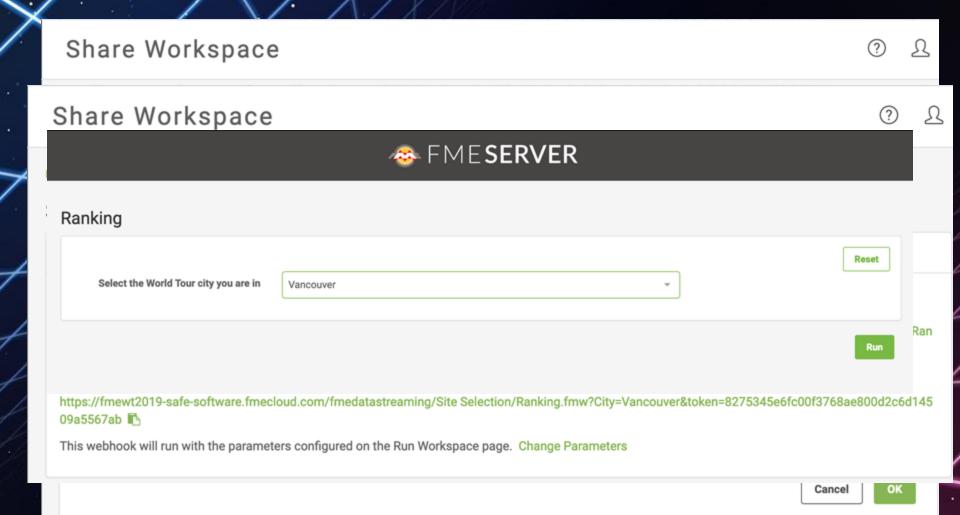|	
1	Challenge 1: FME Server Sharing
2	Challenge 2: Data Watching
3	Challenge 3: Nightly Updates
4	Challenge 4: Workspace Orchestration
5	Challenge 5: New User Notification
6	Bonus Challenge: Easy User Creation
7	FME Server 2019.0 New Features

Challenge 1

"We want to share FME workflows with people who don't have an FME Server account."

SERVER 2019

SERVER 2019

LEVEL UP!

SAFE SOFTWARE

FASTER – EASIER – DARKER

FME

FME Server Apps

WORLD TOUR
2019

FME

SAFE SOFTWARE

Challenge 1 - Demo

FME Server Apps

FME SERVER

Ranking

Reset

Select the World Tour city you are in   Vancouver

Run

https://fmewt2019-safe-software.fmecloud.com/fmedatastreaming/Site Selection/Ranking.fmw?City=Vancouver&token=8275345e6fc00f3768ae800d2c6d145 09a5567ab

This webhook will run with the parameters configured on the Run Workspace page. Change Parameters

Cancel   OK

Challenge 2

*"We want to **watch for data** and **run an FME task** whenever new data arrives."*

NEW

Automations

A simple concept consisting of **Triggers** and **Actions**

Triggers

Start an automation

Actions

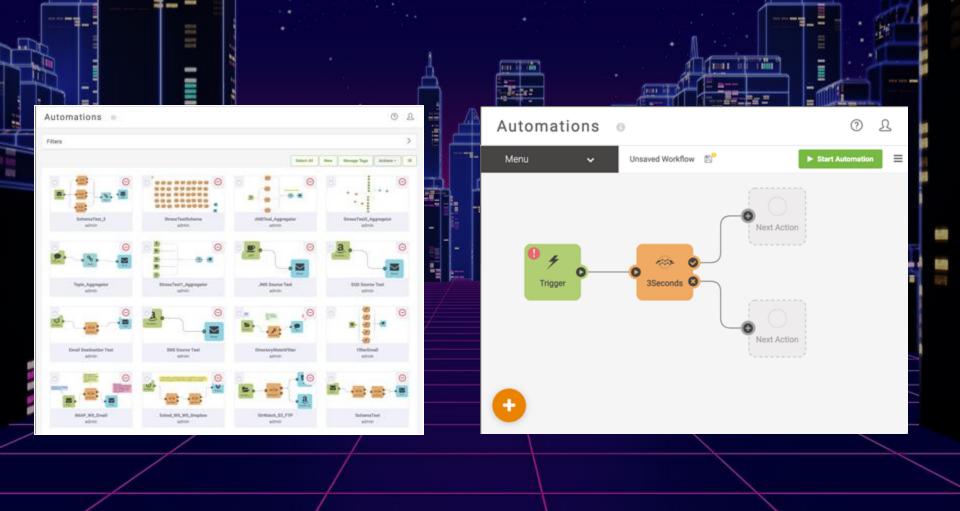Respond to triggers

External

Internal

Every Automation
has the same pattern:

When

Trigger Occurs

then

Perform Action

Watching for Data

Trigger when data arrives.

Amazon S3 Watch
Triggers when data arrives in location in S3 Bucket

Directory Watch
Triggers when data arrives in File Directory.

FTP Watch
Triggers when data arrives at location on ftp site

Dropbox Watch
Triggers when data arrives in Dropbox Directory.

Azure Event Grid
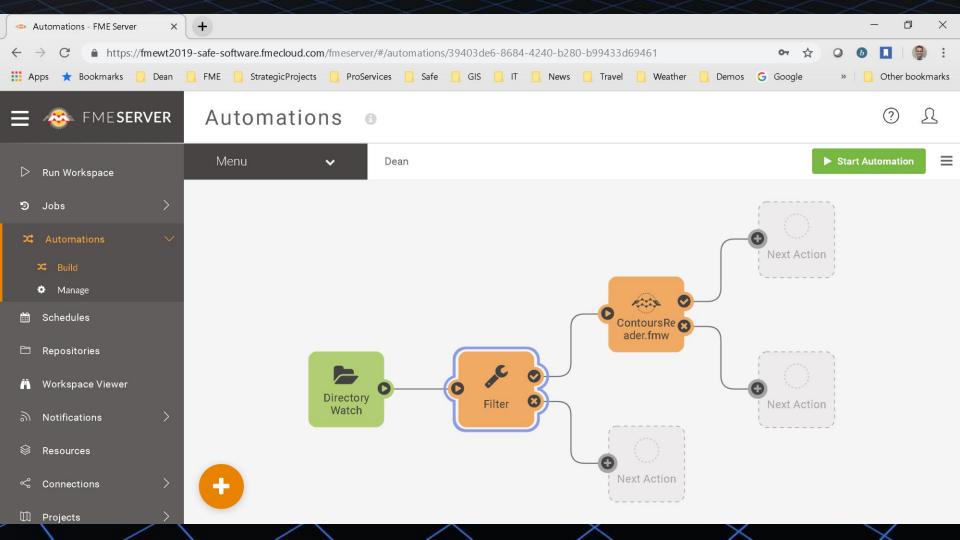*Can Trigger when data arrives in Azure Storage*
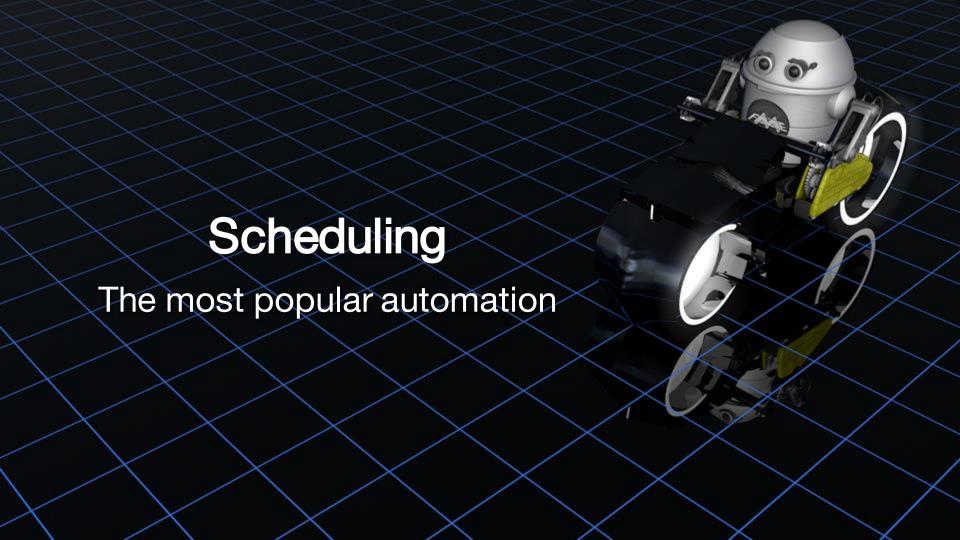
Data Arrival Workflow

When

Trigger Occurs

then

Perform Action

Demo: Directory Watch Automation

https://fmewt2019-safe-software.fmecloud.com/fmeserver/#/automations/39403de6-8684-4240-b280-b99433d69461

☰ FME SERVER

Automations ⓘ

▶ Run Workspace

Jobs

Automations
 ⤨ Build
 ⚙ Manage

Schedules

Repositories

Workspace Viewer

Notifications

Resources

Connections

Projects

Menu ⌄

Dean

▶ Start Automation ☰

Directory Watch

Filter

ContoursReader.fmw

Next Action

Next Action

Next Action

Challenge 3

"We want to automatically **update** *a database overnight. "*

Scheduling

The most popular automation

Scheduled Automation

When

Trigger Occurs

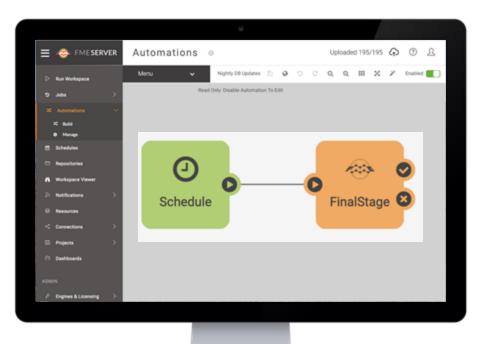*then*

Perform Action

Schedule the workspace with Automations

Add a Schedule as a *Trigger*

Add a Workspace as an *Action*

Save and start your Automation

Demo: Update Database on Schedule

Challenge 4

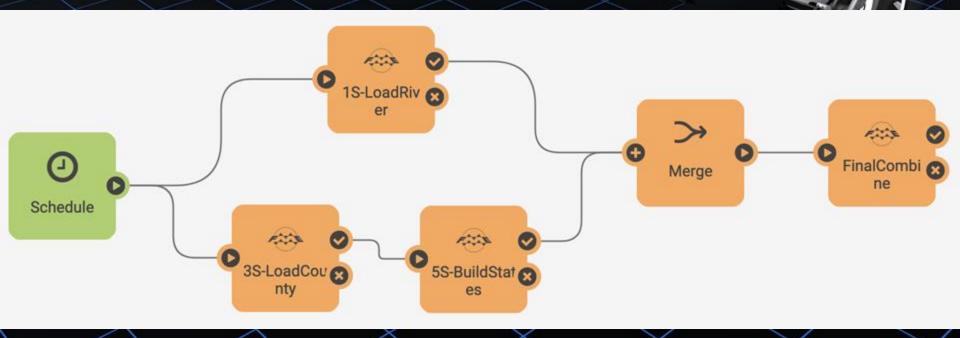*"We want to orchestrate complex workflows consisting of **many** FME workspaces."*

Workflow Orchestration

When

Trigger Occurs

then

Perform Action

Automations: Workflow Orchestration

Automations: Workflow Orchestration

Automations: Workflow Orchestration

Truly Parallel Streams

Automations: Workflow Orchestration

Wait Until All Paths Complete

Automations: Workflow Orchestration

Final Stage

Demo: Orchestration

https://fmewt2019-safe-software.fmecloud.com/fmeserver/#/jobs/completedByAutomations/ea6b51e7-9981-4c8a-b192-d23c9b11eaf2

FME SERVER

Jobs ⓘ

Uploaded 26/26

▶ Run Workspace

🕓 Jobs ›

✖ Automations ›

   ✖ Build

   ⚙ Manage

📅 Schedules

📁 Repositories

👁 Workspace Viewer

🔊 Notifications ›

⚙ Resources

🔗 Connections ›

📊 Projects ›

⊙ Dashboards

Automations › DeanComplex › Jobs

DeanComplex

Remove | ⟳ | ✎

	Id	Workspace	Repository	Username	Status	Started	Finished ∨	Source Name	Source Type
☐	19863	FinalStage.fmw	Orchestration	deanadmin	✓	Today at 02:01:15	Today at 02:01:18	DeanComplex	Automations
☐	19862	medium.fmw	Orchestration	deanadmin	✓	Today at 02:01:15	Today at 02:01:15	DeanComplex	Automations
☐	19860	high.fmw	Orchestration	deanadmin	✓	Today at 02:01:15	Today at 02:01:15	DeanComplex	Automations
☐	19861	high.fmw	Orchestration	deanadmin	✓	Today at 02:01:15	Today at 02:01:15	DeanComplex	Automations
☐	19859	high.fmw	Orchestration	deanadmin	✓	Today at 02:01:15	Today at 02:01:15	DeanComplex	Automations

|◀ ◀ 1 ↕ / 1 ▶ ▶| 100 ▾   Displaying 1 - 5 of 5

https://fmewt2019-safe-software.fmecloud.com/fmeserver/#/automations

FME SERVER

Automations ⓘ

Uploaded 26/26 ☁ ? 👤

- ▶ Run Workspace
- ↺ Jobs
- ✕ Automations ⌄
  - ✕ Build
  - ⚙ Manage
- 📅 Schedules
- 🗁 Repositories
- 🔭 Workspace Viewer
- 📶 Notifications
- 📚 Resources
- ⌁ Connections
- 📖 Projects
- ☉ Dashboards

Filters ⟩

	Name	Tags	Last Updated	⌄	Started	Owner	Status	Share
☐	Dean		Today at 02:25:18		✓	deanadmin	✕ 14	👤+
☐	DeanComplex		Today at 02:06:27		⊖	deanadmin		👤+
☐	CadValidationAutomation	CAD Automation	Yesterday at 17:55:17		⊖	donadmin		👤+

[Search] [New] [Manage Tags] [Actions ⌄] [✎] [⊞]

|◀ ◀ 1 / 1 ▶ ▶| 20 ⌄ Displaying 1 - 3 of 3

Challenge 5

*"As an Administrator, we want to know when a **new user** is created on our system."*

NEW

System Events

Generated by FME Server activities

NEW

System Events

FME Server events made available.
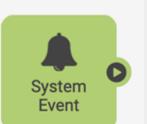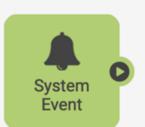
Security
Account Activity:
User create, update, delete

System Info
Warnings and errors
License expiry

Server Status
Server startup
Backup, restore

Server Activity
Repositories and Items:
Create, update, delete
Project export/import

User Creation Notification

When

Trigger Occurs
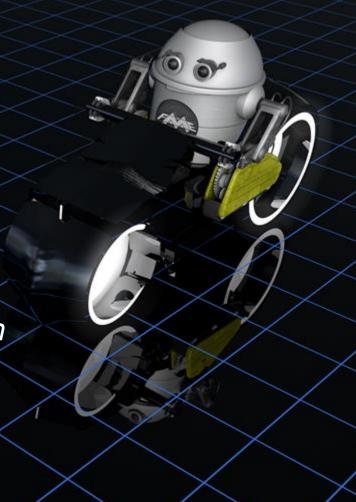
then

Perform Action

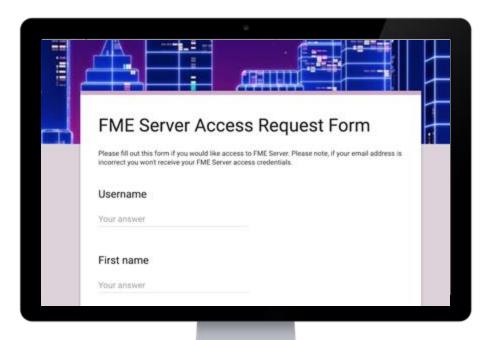# System Events & Automations

Bring power to System Administration

Demo: Administrator Account Notification

Bonus Challenge

*"We want **anyone** to be able create an account on our FME Server so that:*

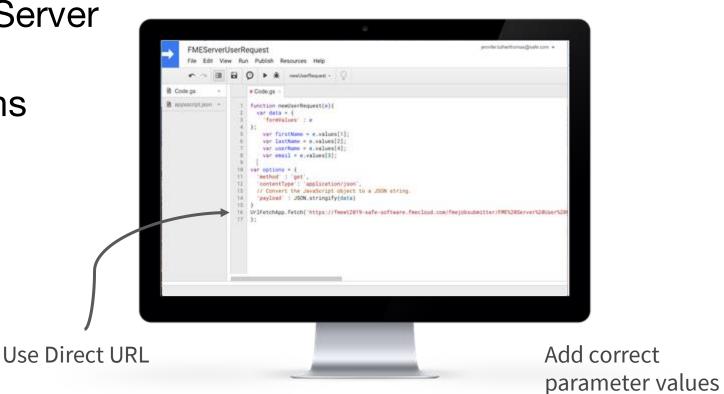1. *They can use FME Server.*
2. *We see new accounts created."*

Run FME Server from other applications

Add a Topic as a *Trigger*

Add a Workspace *Action*

Save and enable your Automation

Run FME Server from other applications

Use Direct URL

Application runs
workspace directly

Add correct
parameter values

FME Server 2019.0

New features we showed

FME Server Apps
NEW

Share FME workflows with anyone – no FME Server account required.

Automations
NEW

Build multi-step workflows to connect applications with triggers and actions.

System Events
NEW

Monitor FME Server events generated based on system activities.

FME Server 2019.0

More new and improved

Job Log Filtering
NEW
Filter out warnings, errors, and info.

Token Management
NEW
Share exactly what you want with support for multiple tokens.

FME Server Projects on FME Hub
NEW
Load and share projects on FME Hub.

Password Security Rules
NEW
Specify password complexity.

User Preferences
NEW
Experience the same user preferences from browser to browser.

Missions Complete

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Questions?