**Export Power BI Gateway Connection Details**

1. Exporting the gateway name, gateway user, and type of the gateway access to the user
2. Run the PowerShell script
3. Install-Module
4. Login with Power BI admin account
5. Run the PowerShell script
6. Excel or CSV details exported
7. Including users and their access types—to Excel or CSV, you can use Power BI REST APIs or PowerShell

**Automatically Alert Power BI Admins When a Gateway Is Offline**

**Build the Automation**

**Step 1: Register an Azure AD App**

1. Go to Azure Portal → App registrations → New registration
2. Note the Client ID and Tenant ID
3. Under API permissions, add:
   * Power BI Service → Tenant.Read.All
   * Dataset.Read.All
4. Grant admin consent

**Step 2: Create a Logic App or Power Automate Flow**  
5. Trigger: Use a Recurrence trigger (e.g., every 15 minutes)

1. HTTP Action:
   * Method: GET
   * URL: https://api.powerbi.com/v1.0/myorg/gateways
   * Use OAuth 2.0 to get the token using the Azure AD app
2. Parse JSON: Use the response schema to extract gateway names and statuses
3. Condition: Check if gatewayStatus != "Live"
4. Action: If offline, send:
   * Email (via Outlook or SMTP)
   * Teams message
   * Push notification

**Making an automation for alerting user and admin to check the sync between QA environment and Prod environment for GxP deployment pipelines.**

Steps to implement using Power Automate (Flow):

\* Trigger: Use a scheduled recurrence trigger (e.g., every hour).

\* HTTP Actions: Use HTTP actions to call the Power BI REST APIs:

   \* Get an access token (using Service Principal authentication).

   \* Call Get Pipelines, Get Pipeline Stages, List Deployment Pipeline Stage Items for both QA and Production.

   \* Call Datasets - Get Refresh History for datasets.

\* Conditional Logic: Use conditional actions to compare the returned data.

   \* Check for differences in item IDs, names, and last\_Modified\_DateTime between QA and Prod.

   \* Check dataset refresh statuses.

\* Alerting Actions:

   \* Send an email (Outlook): Configure email notifications with details of the sync issues.

   \* Post a message to Microsoft Teams Using the built-in connectors.

**Send an Email Alert to Power BI Fabric Capacity Owner for High Resource Consumption**

**Step-by-Step Process**

1. **Get Capacity Utilization Data**  
   Use the Power BI Admin API:
   * GET https://api.powerbi.com/v1.0/myorg/admin/capacities
   * GET https://api.powerbi.com/v1.0/myorg/admin/capacities/{capacityId}/workloads  
     This provides:
   * Capacity name
   * Workspace usage
   * Report or dataset consuming the most resources  
     🔐 Requires Power BI Admin role and API permissions
2. **Identify Top Consumers**
   * Sort workloads by:
     + CPU usage
     + Memory usage
     + Query duration
   * Identify:
     + Workspace name
     + Report or dataset name
     + Owner (via GET /groups/{groupId} and GET /groups/{groupId}/users)
3. **Send Alert to Capacity Owner**
   * Use PowerShell or Logic Apps to:
     + Compose an email
     + Include top-consuming workspace/report details
     + Send to the capacity owner (retrieved from capacity metadata)
4. **Sample Alert Email**  
   **Subject:** ⚠️ High Power BI Capacity Usage Alert