Integration Flow

Based on the provided document structure in the SWB flow document, here’s the \*\*Integration Flow Document\*\* for the \*\*Group Retrieval and Chatter Feed Handling\*\* flows in AIS:  
  
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### \*\*Integration Flow Document\*\*  
\*\*Integration Name\*\*: Group Retrieval and Chatter Feed Handling  
  
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#### \*\*Flow Breakdown\*\*  
  
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### \*\*Step 1: Group Retrieval\*\*  
  
\*\*Trigger\*\*  
- API Called: `Group Retrieval`  
- Endpoint: \*\*GET\*\* `/api/group/getByName?groupName={groupName}`  
- \*\*Azure Function\*\*: `GroupGetByNameFunction`  
  
\*\*Implementation Progression\*\*  
- \*\*Main Flow\*\*: Group Retrieval Function  
 - \*\*Set Error Details\*\*: Initializes error details in case of failure.  
 - Retrieves authentication token by invoking the \*\*Authorize User\*\* flow.  
 - Queries Salesforce for `Group.Id` using SOQL.   
 - If `Group.Id` is found:  
 - Transform data and return JSON payload using `TransformToOutput`.  
 - If not found:  
 - Return `404 Not Found` response.  
  
\*\*Key Transformation:\*\*  
- Input: Query parameter `groupName`.  
- Output: JSON with `id` attribute if successful; `404` HTTP status if not found.  
  
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### \*\*Step 2: Chatter Feed Item Post\*\*  
  
\*\*Trigger\*\*  
- API Called: `Chatter Feed Post`  
- Endpoint: \*\*POST\*\* `/api/chatter/feed/post`  
- \*\*Azure Function\*\*: `ChatterPostFeedItemFunction`  
  
\*\*Implementation Progression\*\*  
- \*\*Main Flow\*\*: Chatter Feed Post Function  
 - \*\*Set Error Details\*\*: Initializes error handling details.  
 - Retrieves authentication token by invoking the \*\*Authorize User\*\* flow.  
 - Generates Access Token for Chatter by invoking \*\*GenerateChatterAccessToken\*\* sub-flow.  
 - Transforms incoming payload (`messageSegments`) and prepares Chatter message request.  
 - Sends a POST request to Salesforce API `/services/data/v47.0/chatter/feed-elements` to publish the feed item.  
 - If successful:  
 - Log success status and return HTTP `201 Created`.  
 - If failed:  
 - Log failure and return HTTP error message.  
  
\*\*Key Transformation:\*\*  
- Input: Payload containing `messageSegments` and `subjectId`.  
- Output: HTTP `201 Created` response if successful POST; error response for failure.  
  
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### \*\*Step 3: Chatter Feed Item Put\*\*  
  
\*\*Trigger\*\*  
- API Called: `Chatter Feed Put`  
- Endpoint: \*\*PUT\*\* `/api/chatter/feed/put`  
- \*\*Azure Function\*\*: `ChatterPutFeedItemFunction`  
  
\*\*Implementation Progression\*\*  
- \*\*Main Flow\*\*: Chatter Feed Put Function  
 - \*\*Set Error Details\*\*: Initializes handling details for flow errors.  
 - Retrieves authentication token by invoking the \*\*Authorize User\*\* flow.  
 - Executes Salesforce SOQL: `SELECT Body FROM FeedItem WHERE ParentID=...` to check for existing feed item.  
 - If no existing feed:  
 - Transform payload (`messageSegments`) using \*\*TransformToChatterMessage\*\*.  
 - Sends a POST request to Salesforce API `/services/data/v47.0/chatter/feed-elements`.  
 - Logs success and returns HTTP status `201 Created`.  
 - If existing feed found:  
 - Logs duplicate status and returns HTTP status `200 OK`.  
 - Handles errors for failed posts or SOQL failures.  
  
\*\*Key Transformation:\*\*  
- Input: Feed ID and payload containing `messageSegments`.  
- Output: HTTP `201 Created` if no feed exists; HTTP `200 OK` if duplicate feed is found.  
  
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### \*\*Step 4: Generate Chatter Access Token\*\*  
  
\*\*Trigger\*\*  
- Sub-flow: `GenerateChatterAccessToken`  
- \*\*Azure Function\*\*: Generate Access Token  
  
\*\*Implementation Progression\*\*  
- \*\*Main Flow\*\*: Generate Access Token Function  
 - Transforms input parameters (clientId, clientSecret, username, password) into `multipart/form-data`.  
 - Sends POST request to Salesforce OAuth endpoint `/services/oauth2/token`.  
 - Logs success and stores token for subsequent flows.  
 - On failure:  
 - Logs error message and handles authentication exceptions.  
  
\*\*Key Transformation:\*\*  
- Input: Salesforce authentication parameters.  
- Output: Access token stored in Azure Function memory for reuse.  
  
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### \*\*Error Handling\*\*  
- \*\*Authentication Failure\*\*:  
 - Log failure details and return HTTP `401 Unauthorized`.  
- \*\*API Connection Failure\*\*:  
 - Log failure details and return HTTP `503 Service Unavailable`.  
- \*\*Not Found Responses\*\*:  
 - Log and return HTTP `404 Not Found` if group ID retrieval fails.  
 - Log and return `200 OK` for duplicate chatter post instances.  
  
Would you need any additional sections or architectural diagrams added into this integration flow document?