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ATLAS DATA FEEDS | INTEGRATION GUIDE

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PRODUCT: US Software Engineering Labor Market & Compensation Feed

DATATYPE: Zero-ETL Snowflake Secure Data Share

VIEW NAME: LABOR_INTELLIGENCE.MARKETPLACE_SWE_FEED

PUBLISHER: Atlas Digital Media (atlasdatafeeds.com)

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1. OVERVIEW

The Atlas Data Feeds Snowflake Integration provides direct, zero-ETL access to daily US technology hiring velocity, open requisitions, and base salary range benchmarks.

Data is shared natively via Snowflake Secure Data Sharing. New records appended by our automated daily extraction pipeline (02:00 AM EST) become instantly queryable inside your Snowflake account without requiring custom ingestion scripts S3 copy commands, or database maintenance.

2. PREREQUISITES

To mount and query this data share, your user session requires:

- Role: ACCOUNTADMIN (or a role granted CREATE DATABASE privileges).
- Active Warehouse: COMPUTE_WH (or any standard virtual warehouse).

3. STEP-BY-STEP MOUNTING INSTRUCTIONS

Option A: Via Snowflake Snowsight UI

1. Log into your Snowflake account as an ACCOUNTADMIN.
2. Navigate to Data Products > Marketplace (or Shares).
3. Search for "US Software Engineering Labor Market Feed" by Atlas Digital Media.
4. Click Get Data (or Accept Share).
5. In the Database Name field, name the database (e.g., ATLAS_LABOR_INTELLIGENCE).
6. Select the roles that should have query access and click Get Data.

Option B: Via SQL Worksheet

Run the following command inside a Worksheet to accept and mount the share:

```
USE ROLE ACCOUNTADMIN;
```

```
-- Create a local database mapped to the Atlas Data Share
```

```
CREATE DATABASE ATLAS_LABOR_INTELLIGENCE
```

```
FROM SHARE ATLAS_DIGITAL_MEDIA.US_SWE_LABOR_FEED_SHARE;
```

```
-- Grant read access to your analytics role
```

```
GRANT USAGE ON DATABASE ATLAS_LABOR_INTELLIGENCE TO ROLE ANALYST;
```

```
GRANT USAGE ON SCHEMA ATLAS_LABOR_INTELLIGENCE.LABOR_INTELLIGENCE TO  
ROLE ANALYST;
```

```
GRANT SELECT ON VIEW
```

```
ATLAS_LABOR_INTELLIGENCE.LABOR_INTELLIGENCE.MARKETPLACE_SWE_FEED TO  
ROLE ANALYST;
```

4. DATA DICTIONARY / SCHEMA

View Name: LABOR_INTELLIGENCE.MARKETPLACE_SWE_FEED

COLUMN NAME	DATA TYPE	NULLABLE	DESCRIPTION
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SNAPSHOT_DATE	DATE	NO	UTC date of job extraction (YYYY-MM-DD).
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COMPANY	VARCHAR	NO	Standardized corporate entity name.
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ROLE_CATEGORY	VARCHAR	NO	Functional role category (e.g., SWE).
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BASE_COMP_MIN	NUMBER	YES	Minimum annualized base salary (USD).
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BASE_COMP_MAX	NUMBER	YES	Maximum annualized base salary (USD).
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5. PRODUCTION SQL EXAMPLES

Note: Replace `ATLAS\_LABOR\_INTELLIGENCE` below with whatever name you chose when mounting the share.

```
-- Example 1: Preview the Latest 10 Records
```

```
SELECT
```

```
    SNAPSHOT_DATE,
```

```
    COMPANY,
```

```
    ROLE_CATEGORY,
```

```
    BASE_COMP_MIN,
```

```
    BASE_COMP_MAX
```

```
FROM
```

```
ATLAS_LABOR_INTELLIGENCE.LABOR_INTELLIGENCE.MARKETPLACE_SWE_FEED
```

```
ORDER BY SNAPSHOT_DATE DESC, COMPANY ASC
```

```
LIMIT 10;
```

```
-- Example 2: Calculate Company-Level Active Post Counts Over 7 Days
```

```
SELECT
```

```
    COMPANY,
```

```

COUNT(*) AS TOTAL_ACTIVE_POSTINGS,
AVG(BASE_COMP_MIN) AS AVG_SALARY_MIN,
AVG(BASE_COMP_MAX) AS AVG_SALARY_MAX
FROM
ATLAS_LABOR_INTELLIGENCE.LABOR_INTELLIGENCE.MARKETPLACE_SWE_FEED
WHERE SNAPSHOT_DATE >= CURRENT_DATE() - 7
GROUP BY COMPANY
ORDER BY TOTAL_ACTIVE_POSTINGS DESC;

```

-- Example 3: Detect Hiring Spikes (Day-over-Day Differential Analysis)

```

WITH DAILY_COUNTS AS (
  SELECT
    SNAPSHOT_DATE,
    COMPANY,
    COUNT(*) AS POSTING_COUNT
  FROM
  ATLAS_LABOR_INTELLIGENCE.LABOR_INTELLIGENCE.MARKETPLACE_SWE_FEED
  WHERE SNAPSHOT_DATE >= CURRENT_DATE() - 2
  GROUP BY SNAPSHOT_DATE, COMPANY
),
DIFFERENTIALS AS (
  SELECT
    COMPANY,
    MAX(CASE WHEN SNAPSHOT_DATE = CURRENT_DATE() THEN POSTING_COUNT
  ELSE 0 END) AS TODAY_COUNT,
    MAX(CASE WHEN SNAPSHOT_DATE = CURRENT_DATE() - 1 THEN
  POSTING_COUNT ELSE 0 END) AS YESTERDAY_COUNT
  FROM DAILY_COUNTS
  GROUP BY COMPANY
)
SELECT
  COMPANY,
  YESTERDAY_COUNT,
  TODAY_COUNT,
  (TODAY_COUNT - YESTERDAY_COUNT) AS NET_NEW_ROLES
FROM DIFFERENTIALS
WHERE (TODAY_COUNT - YESTERDAY_COUNT) >= 2
ORDER BY NET_NEW_ROLES DESC;

```

6. SUPPORT & SERVICE LEVEL AGREEMENT (SLA)

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- Refresh Cadence: Daily at 02:00 AM EST.
 - Technical Support: support@atlasdatafeeds.com

- Documentation & Portal: <https://atlasdatafeeds.com>