# APJ Summit - Quick Reference Guide

# Inter-Squad Coordination Summary

# ️ Architecture Quick View

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Squad** | **Bronze Layer** | **Silver Layer** | **Gold Layer** | **Demo** | **Hands-On Lab** |
| DI | INGESTION | - | - |  |  |
| DM | MIGRATION | - | - |  | Data Share |
| DT | - | TRANSFORMED | - |  |  |
| AIML | - | - | INTELLIGENCE |  |  |

# Schema Mapping by Environment

## CAS2 (Demo Environment)

APJ\_SUMMIT Database:

├── INGESTION\_TARGET (DI - Pre-loaded)

├── MIGRATION\_TARGET (DM - Demo target)

├── TRANSFORMED (DT - Demo target)

└── INTELLIGENCE (AIML - Demo target)

## Sandboxes (Hands-On Lab Environment)

APJ\_SUMMIT Database:

├── INGESTION (DI - Lab target)

├── MIGRATION (DM - Data share target)

├── TRANSFORMED (DT - Lab target)

└── INTELLIGENCE (AIML - Lab target)

# Data Dependencies

graph TD

A[DI Squad<br/>Customers + Accounts<br/>1M rows each] --> C[DT Squad<br/>Transformations]

B[DM Squad<br/>Transactions<br/>50M rows] --> C

C --> D[AIML Squad<br/>Intelligence]

style A fill:#cd7f32,color:#fff

style B fill:#cd7f32,color:#fff

style C fill:#c0c0c0,color:#000

style D fill:#ffd700,color:#000

# ⚠️ Critical Pre-Summit Actions

## DM Squad - Data Share Setup

-- MUST BE COMPLETED BEFORE SUMMIT

CREATE SHARE APJ\_SUMMIT\_TRANSACTIONS\_SHARE;

GRANT USAGE ON DATABASE APJ\_SUMMIT TO SHARE APJ\_SUMMIT\_TRANSACTIONS\_SHARE;

GRANT USAGE ON SCHEMA MIGRATION\_TARGET TO SHARE APJ\_SUMMIT\_TRANSACTIONS\_SHARE;

GRANT SELECT ON TABLE TRANSACTIONS TO SHARE APJ\_SUMMIT\_TRANSACTIONS\_SHARE;

-- Participants must run this BEFORE attending:

-- GET 'APJ\_SUMMIT\_TRANSACTIONS\_SHARE' FROM MARKETPLACE;

## All Squads - Environment Verification

* • [ ] CAS2 access confirmed
* • [ ] Sandbox environments provisioned
* • [ ] Required integrations tested
* • [ ] Sample data loaded/accessible

# Presentation Flow & Handoffs

|  |  |  |  |
| --- | --- | --- | --- |
| **Sequence** | **Squad** | **Key Message** | **Handoff To Next Squad** |
| 1st | DI | "Raw data lands in Bronze layer" | → DM: "Here's customer/account data" |
| 2nd | DM | "Large-scale migration to Bronze" | → DT: "Here's transaction data" |
| 3rd | DT | "Business logic creates Silver layer" | → AIML: "Here's clean, joined data" |
| 4th | AIML | "Intelligence creates Gold layer insights" | → End: "Business value delivered" |

# ️ Each Squad's 5-Minute Checklist

## DI Squad

* • [ ] Azure SQL Box A connection working
* • [ ] OpenFlow ingestion pipeline ready
* • [ ] Participants can access their INGESTION schema
* • [ ] Sample customers/accounts data visible
* • [ ] Ingestion monitoring dashboard functional

## DM Squad

* • [ ] Azure SQL Box B connection working
* • [ ] Demo migration pipeline ready
* • [ ] Data share created and published
* • [ ] CAS2 MIGRATION\_TARGET schema has 50M transactions
* • [ ] Performance metrics dashboard ready

## DT Squad

* • [ ] DBT environment configured
* • [ ] Cursor IDE with AI assistance working
* • [ ] Access to both INGESTION and MIGRATION data
* • [ ] Sample transformation models ready
* • [ ] Data quality tests prepared

## AIML Squad

* • [ ] Cortex AI services enabled
* • [ ] Access to TRANSFORMED schema data
* • [ ] Semantic models configured
* • [ ] Streamlit dashboard functional
* • [ ] Sample AI insights prepared

# Success Handoff Criteria

## DI → DT Handoff

✅ CUSTOMERS table (1M rows) in Bronze

✅ ACCOUNTS table (5M rows) in Bronze

✅ Data quality checks passed

## DM → DT Handoff

✅ TRANSACTIONS table (50M rows) in Bronze

✅ Data share accessible to participants

✅ Migration performance demonstrated

## DT → AIML Handoff

✅ DIM\_CUSTOMERS in Silver layer

✅ DIM\_ACCOUNTS in Silver layer

✅ FACT\_TRANSACTIONS in Silver layer

✅ Data quality tests 100% passed

## AIML → Summit Complete

✅ Semantic models responding < 3 seconds

✅ AI insights generated successfully

✅ Interactive dashboard functional

✅ Business value story completed

# 📞 Emergency Contacts & Backup Plans

## If Demo Fails Mid-Summit

* • DI Squad: Switch to pre-loaded data story
* • DM Squad: Use pre-recorded migration demo
* • DT Squad: Fall back to prepared DBT models
* • AIML Squad: Use cached AI insights

## If Hands-On Lab Stalls

* • Pre-built "catch-up" datasets available
* • Skip to next squad, continue story
* • Use presenter's environment as fallback

# 🎬 Storytelling Continuity Script

* Opening: "Today we'll follow customer data from source systems to AI-powered insights"
* DI Squad: "First, we bring raw customer and account data from Azure SQL into Snowflake's Bronze layer..."
* DM Squad: "Meanwhile, high-volume transaction data is migrated efficiently at scale..."
* DT Squad: "Now we transform this raw data into business-ready information using AI-assisted development..."
* AIML Squad: "Finally, we unlock intelligence from our clean data using Snowflake's native AI capabilities..."
* Closing: "From raw data to actionable insights in one unified platform - this is the power of modern data engineering!"
* Ready to deliver an amazing summit experience! 🎉