

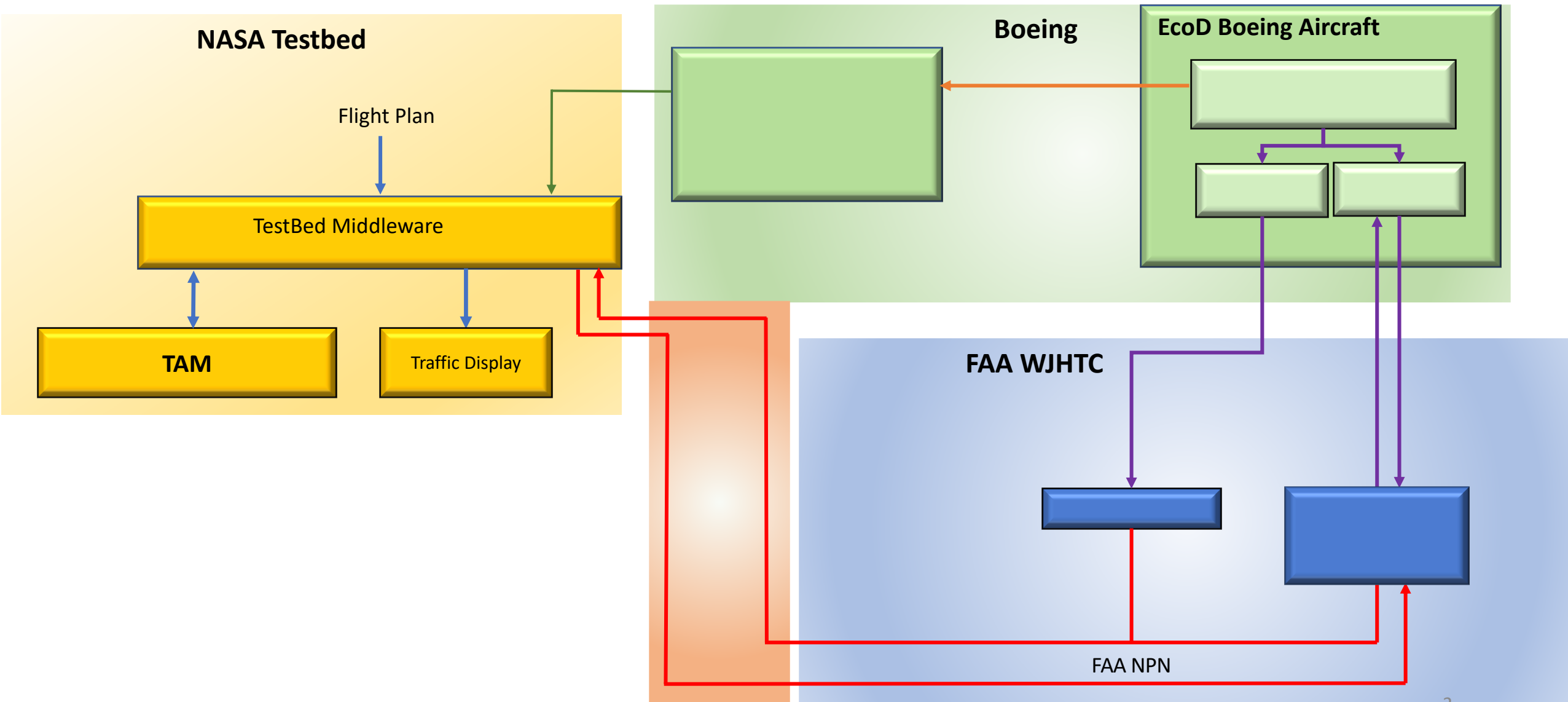


TestBed Overview

27 March 2020

Kee Palopo

Live Flight Test Use Case



TestBed Vision

ATM TestBed Goals

The TestBed will provide a test environment that will aid in:

- Performing Multiple-Air Traffic Management (ATM) Domain Evaluations



- Increasing Assessment Pace



- Collaborating with Stakeholders



Access
Scenario Generation
Socialization

- Testing During Concept Maturation

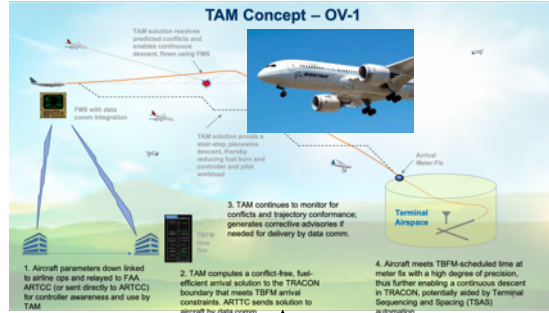


- Performing Live, Virtual and Constructive Operations





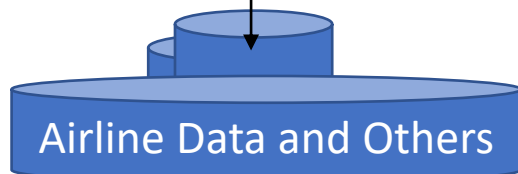
Boeing Facilities



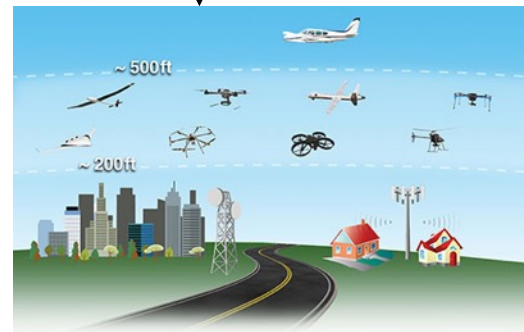
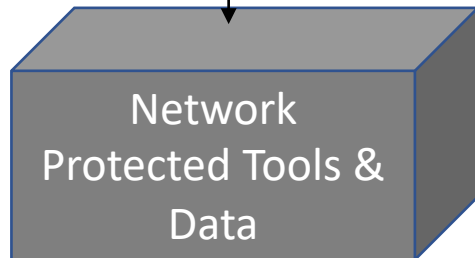
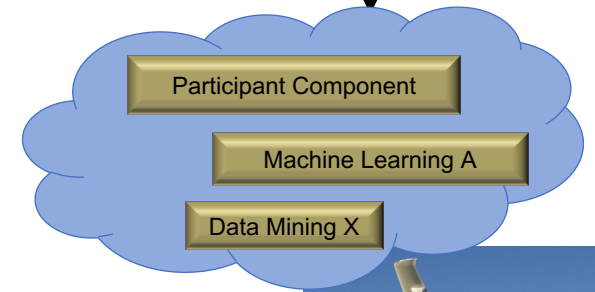
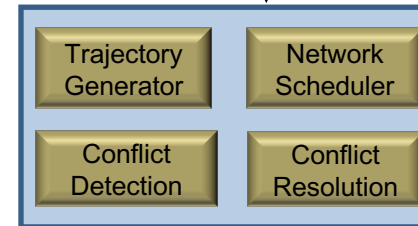
Tech Center 737 Simulator



UAM Facilities

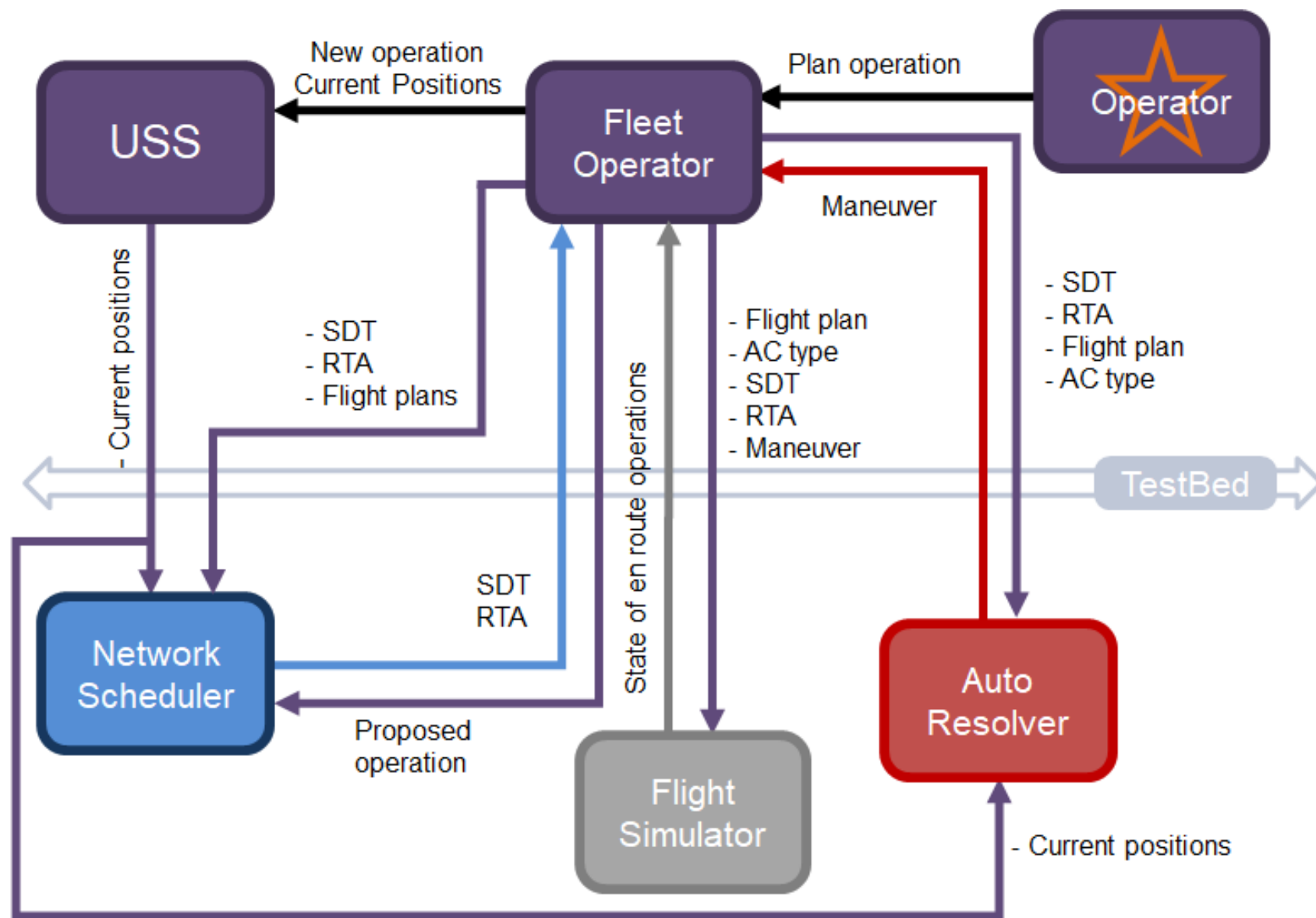


ATM Functional Services

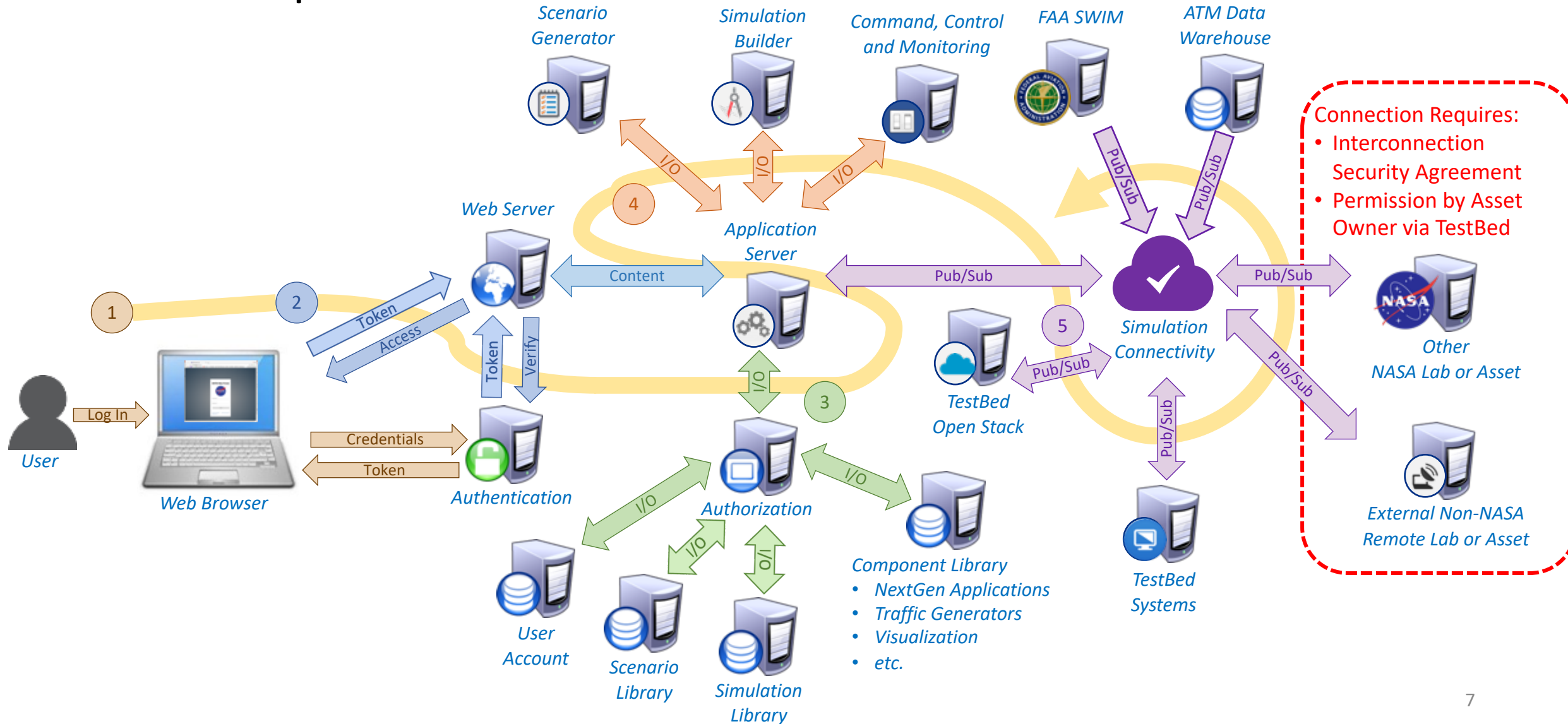


UAS Traffic Management (UTM) Architecture



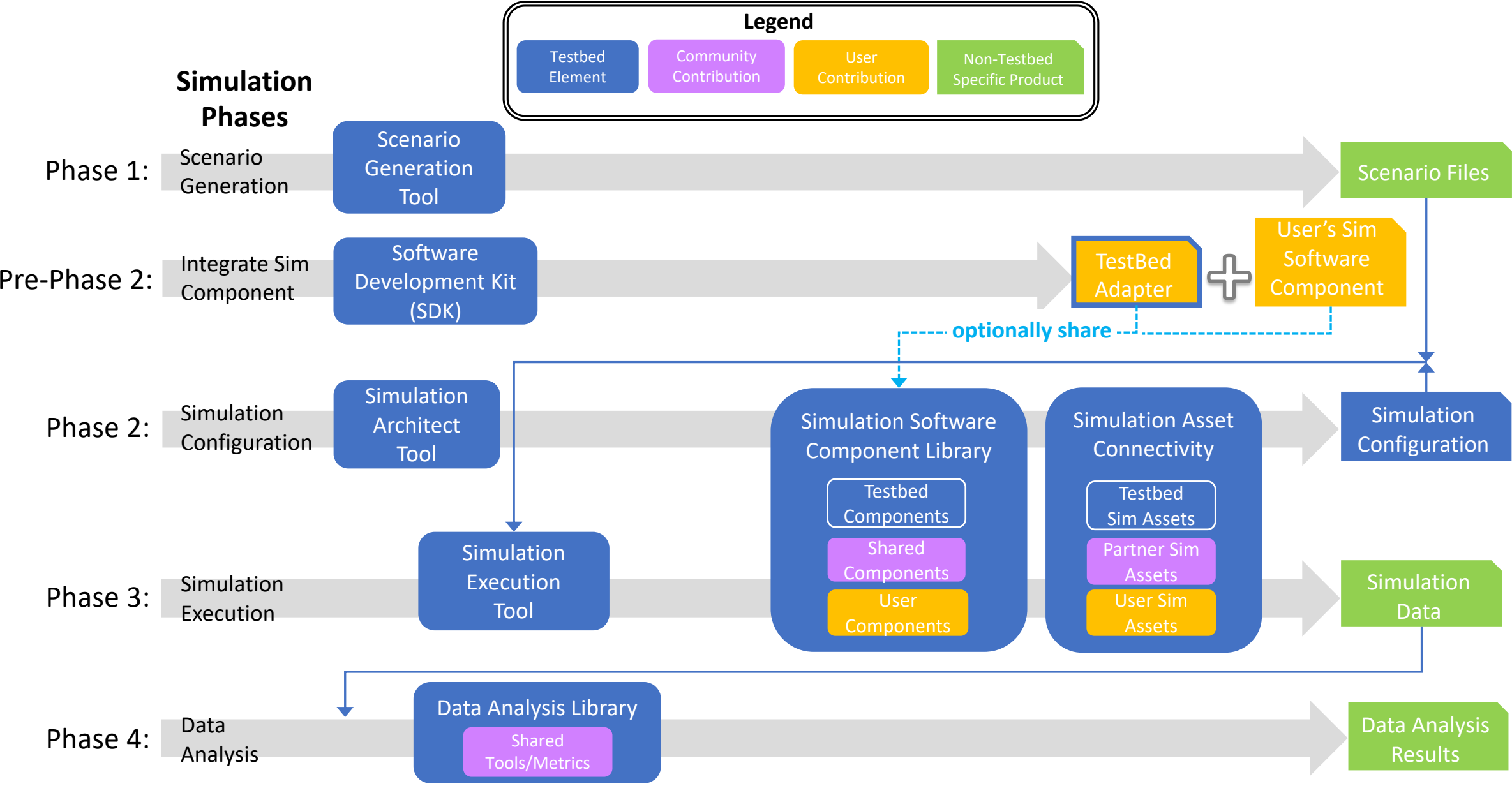


Concept of Use

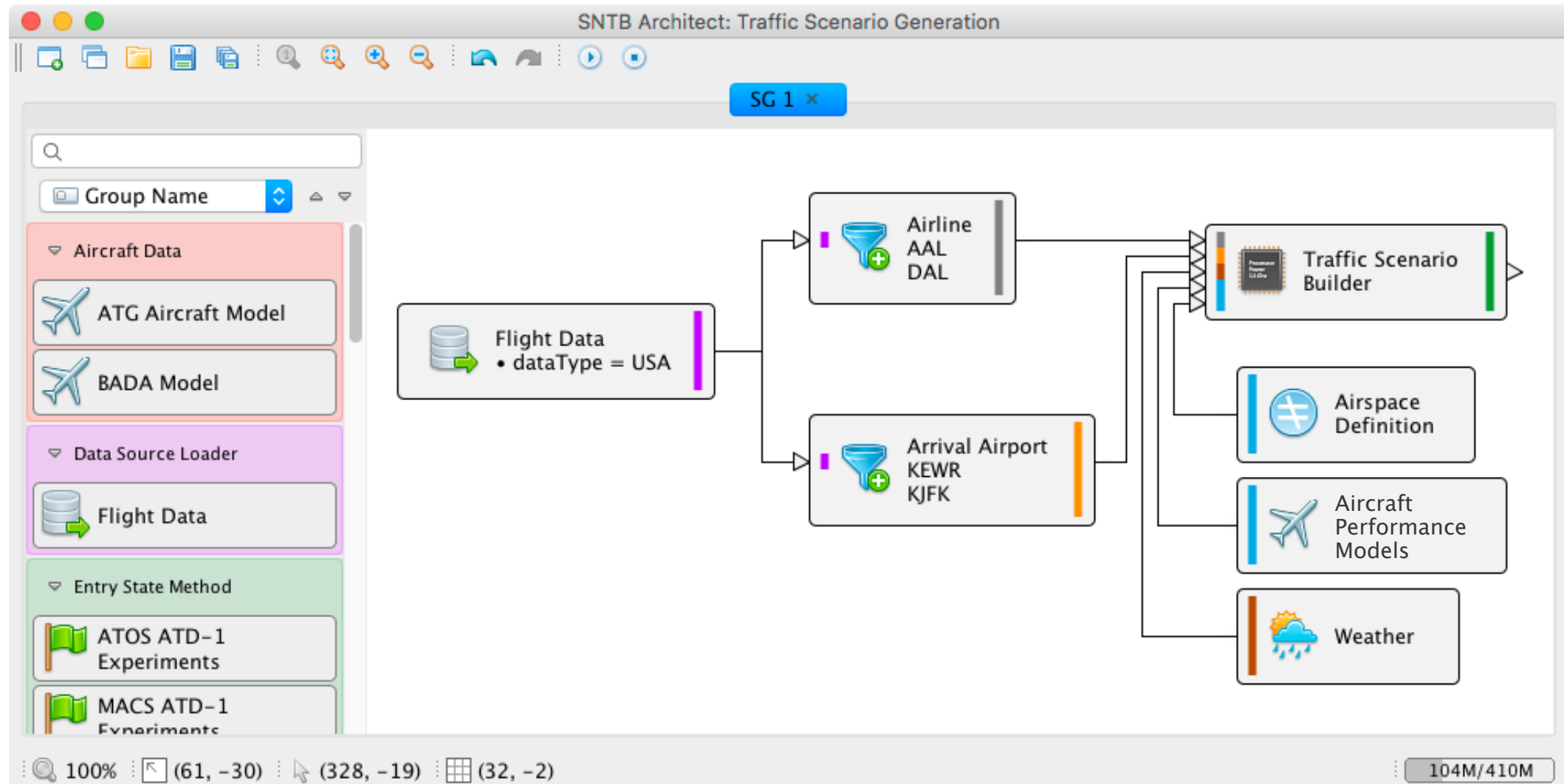


TestBed Implementation

Simulation Workflow

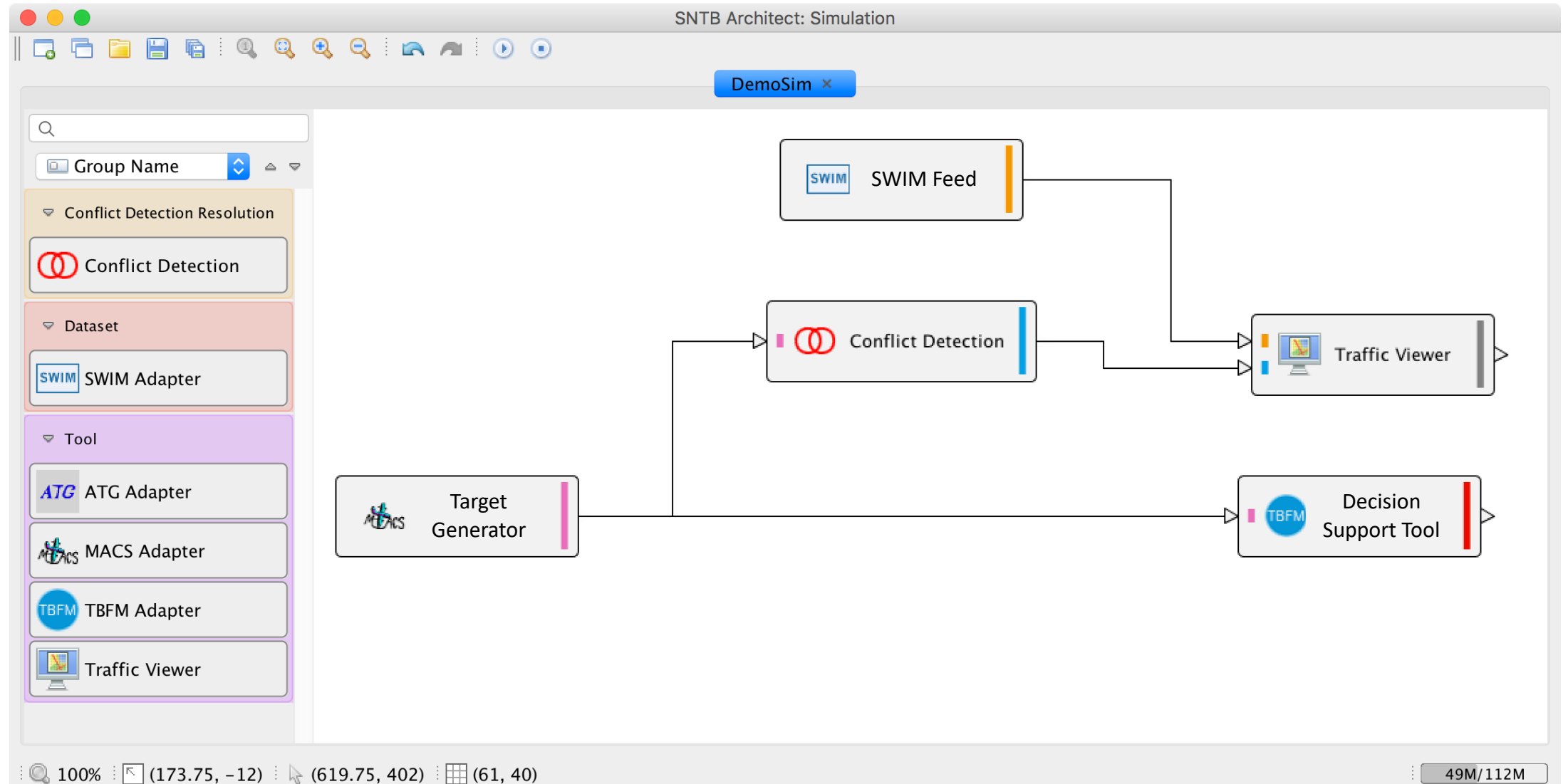


Scenario Generation GUI



Simulation Configuration - GUI

Integration Example: SWIM, Target Generator, Conflict Detection, and Viewer



Test Bed: Simulation Configuration/Execution Options

