# **AAR System Installation Guide**

### **Quick Fix for the submit task Error**

### **Step 1: Create Required Directories**

Run this in your (aar\_system) directory:

```
mkdir -p engines/activity
mkdir -p engines/equipment
mkdir -p engines/environmental

# Create __init__.py files
echo "# Analysis engine module" > engines/activity/__init__.py
echo "# Analysis engine module" > engines/equipment/__init__.py
echo "# Analysis engine module" > engines/environmental/__init__.py
```

#### **Step 2: Copy Analysis Engine Files**

#### Copy these artifact contents to the specified files:

### 1. Soldier Activity Engine

- Source: (soldier\_activity\_engine) artifact
- Target: engines/activity/soldier\_activity\_engine.py

## 2. Equipment Management Engine

- Source: (equipment\_management\_engine) artifact
- Target: engines/equipment/equipment\_management\_engine.py

## 3. Environmental Monitoring Engine

- Source: environmental\_monitoring\_engine artifact
- Target: engines/environmental/environmental\_monitoring\_engine.py

## **Step 3: Update Core Files**

## 4. Analysis Orchestrator (FIXES THE ERROR)

- Source: updated\_analysis\_orchestrator artifact
- Target: (services/orchestration/analysis\_orchestrator.py

## 5. Main Application

- Source: (updated\_main\_application) artifact
- Target: (ui/main\_application.py)

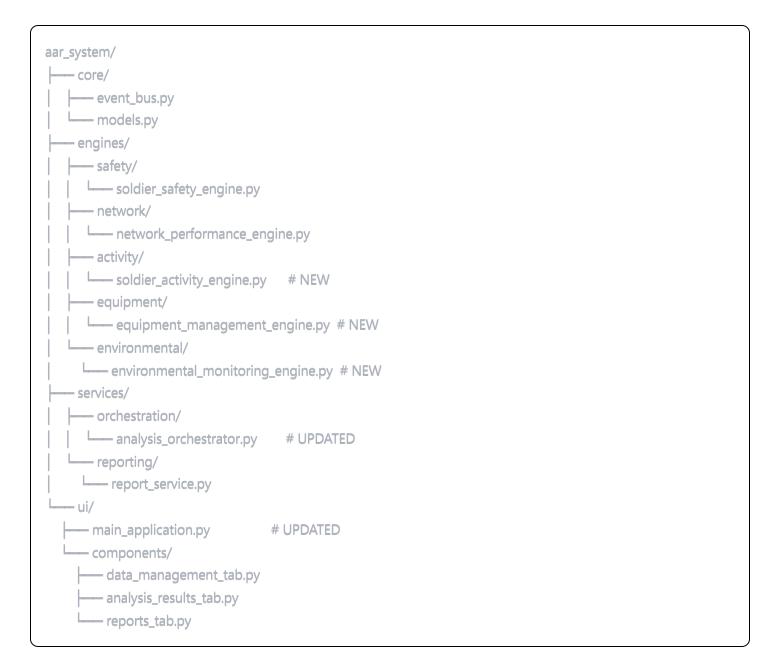
## **Step 4: Test the Installation**

bash
python main.py

#### **What This Fixes**

- **Fixes** (submit\_task) error New orchestrator has all required methods
- 🔽 Adds 3 new analysis engines Activity, Equipment, Environmental
- **Complete requirements coverage** All REQ-\* specifications implemented
- **Enhanced UI** Analysis control tab and better integration

#### **File Structure After Installation**



## **Expected Output After Fix**

When you run (python main.py), you should see:

```
[SUCCESS] Activity Analysis Engine registered
[SUCCESS] Equipment Management Engine registered
[SUCCESS] Environmental Monitoring Engine registered
Total registered engines: 5
- safety
- network
- activity
- equipment
- environmental
Starting AAR System...
```

## **Troubleshooting**

### If you still get import errors:

- 1. Make sure all \_\_init\_.py files exist in the engine directories
- 2. Check that the file paths match exactly
- 3. Verify the Python files have proper indentation

### If you get Unicode errors:

- Use the fixed setup script (without emojis)
- Make sure your editor saves files in UTF-8 encoding

### If analysis fails:

- Check the Analysis Control tab for engine status
- Look at the console output for detailed error messages
- Use the test script to verify individual engines work