# Agent Setup & Migration Instructions 📥

**Target Audience**: Agents initiating the migration process or setting up a new experiment.

This document outlines the **exact steps** to adopt the "Experiment-First" workflow.

## ⚠️ Flexibility Disclaimer

**Adapt to Your Environment**:
Every project is different. While this kit assumes a flat structure, you **MUST** adapt these paths if your project uses a different layout (e.g., `src/` for library code, `lib/` for shared modules).

- **Standard**: `scripts/cleanup_structure.py`
- **Adaptation**: `src/scripts/cleanup_structure.py` (if that's where you keep scripts)

**Do not break existing imports.** If moving files, check for `sys.path` implications.

## 1. Migration Protocol (First Time Setup)

If this repository does not yet use the Migration Kit structure:

### Step 1: Install Infrastructure

Use `run_command` to copy the core templates to the root:

```
cp migration_kit/README_TEMPLATE.md README.md
cp migration_kit/PROTOCOLS_TEMPLATE.md PROTOCOLS.md
cp migration_kit/gitignore_template .gitignore
```

### Step 2: Initialize Governance

Establish the project tracking files:

1. **Roadmap**:

   ```
   cp migration_kit/ROADMAP_TEMPLATE.md ROADMAP.md
   ```

   *Action*: Edit `ROADMAP.md` to define phases and North Star metrics.

2. **Leaderboard**:

   ```
   # Create empty leaderboard
   echo "| Version | Metric A | Metric B | Notes |" >
   ```

```
experiments/LEADERBOARD.md
echo "|---|---|---|---|" >> experiments/LEADERBOARD.md
```

3. **Methodology**:

```
cp migration_kit/METRICS_TEMPLATE.md
experiments/METRICS_METHODOLOGY.md
cp migration_kit/DEBUGGING_TEMPLATE.md experiments/DEBUGGING_GUIDE.md
```

## Step 3: Establish "Descriptive Roots"

Identify the current working directory or "latest" experiment.

1. Create a new, properly named folder: `mkdir -p experiments/v1_baseline`
2. Move current working files there: `mv model.py train.py experiments/v1_baseline/`
3. **Verify** imports still work (run a smoke test).

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# 2. Experiment Initialization (Routine)

**Every time you start a NEW experiment (vXX), follow this sequence:**

## Step 1: Create the "Cell"

Create your self-contained directory:

```
mkdir -p experiments/v68_lane_unification/models
mkdir -p experiments/v68_lane_unification/logs
mkdir -p experiments/v68_lane_unification/tests
```

## Step 2: Clone the DNA

**Copy, Do Not Import**. Copy the model files from the *previous* best version to your new folder.

```
cp experiments/v67_regret_gating/models/*.py
experiments/v68_lane_unification/models/
```

*Why? This isolates your experiment. You can now modify v68 code without breaking v67.*

## Step 3: Initialize the Journal (Crucial)

Copy the template to your new folder:

```
cp migration_kit/journal_template.md
experiments/v68_lane_unification/journal.md
```

*Action*: Open `journal.md`. Fill in the **Hypothesis** immediately.

### Step 4: Create the Smoke Test

Copy the smoke test template and adapt it:

```
cp migration_kit/smoke_test_template.py
experiments/v68_lane_unification/tests/smoke_test_v68.py
```

*Action*: Edit the file. Update imports to point to `../models`. Run it.
**Hard Rule**: If `smoke_test_v68.py` fails, DO NOT START TRAINING.

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# 3. The "Clean Exit"

When you are finished with your migration or setup tasks:

1. **Delete Stub Files**: If you created temporary scripts to move files around, delete them.

   ```
   rm cleanup_migration.py temp_move.sh
   ```

2. **Commit**:

   ```
   git add .
   git commit -m "MIGRATION: Adopted Agentic Workflow v1.0"
   ```

**You are now ready to begin Science.**