

GitHub Update Script - Local Configuration Support

Overview

The `update_from_github.sh` script now fully supports the local configuration system, automatically preserving your settings during updates.

What the Script Does

1. Automatic Backup

Before pulling from GitHub, the script backs up:

- All local configuration files (`config/*.local.json`)
- Environment variables (`.env`)
- Database (`prisma/dev.db`)





Backup location: `~/sports-bar-backups/config-backup-YYYYMMDD-HHMMSS.tar.gz`

Retention: Keeps last 7 backups automatically

2. Safe GitHub Pull

```
git pull origin main
```

Your local files are automatically protected by `.gitignore` :

- `config/*.local.json` - Preserved 
- `.env` - Preserved 
- `prisma/dev.db` - Reset (intentional, data in gitignore) 
- `uploads/` - Cleaned (temp files) 


3. Configuration Check

After pulling, the script:

If local config doesn't exist:

- Runs `./scripts/init-local-config.sh`
- Creates config files from templates
- Prompts you to edit them

If local config exists:

- Confirms files are preserved 
- Checks for new template options
- Merges any new configuration fields

4. Dependencies & Build

- Installs npm packages
- Checks/installs libCEC
- Sets up Ollama + AI models

- Updates database schema
- Builds the application

5. Restart Application





Restarts the server and verifies it's running.

Usage








Standard Update

```
cd /home/ubuntu/Sports-Bar-TV-Controller
./update_from_github.sh
```

That's it! Your local configuration is automatically:

-  Backed up before update
-  Preserved during git pull
-  Validated after update
-  Initialized if missing

What Gets Updated

| Component | Updated | Preserved |
|-------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Application code |  | - |
| Dependencies |  | - |
| Templates (*.template.json) |  | - |
| Documentation |  | - |
| Local config (*.local.json) | - |  |
| Environment (.env) | - |  |
| Uploads directory | - |  |

First Time Running the Script

On first run, if you don't have local config files:

```

🔧 Checking local configuration...
📄 Local configuration not found. Initializing from templates...

✅ Created: config/local.local.json
✅ Created: config/devices.local.json
✅ Created: config/sports-teams.local.json

⚠️ IMPORTANT: Edit your local configuration files:
  nano config/local.local.json      # System settings
  nano config/devices.local.json    # Device inventory
  nano config/sports-teams.local.json # Sports preferences

Press Enter to continue after you've reviewed the config files...
```

Action required: Edit the config files with your actual settings before continuing.

Subsequent Runs

On subsequent runs with existing local config:

```

🔧 Checking local configuration...
✅ Local configuration files found and preserved
  Checking for new configuration options...
✅ Configuration is up to date
```

If new template options were added in the GitHub update:

```

✅ Local configuration files found and preserved
  Checking for new configuration options...
  ⓘ New configuration options may have been added
```

The script will automatically merge new fields while preserving your existing values.

Backup Management

Automatic Backups

Every time you run `update_from_github.sh`, a backup is created:

```

📁 Backing up local configuration...
✅ Configuration backed up to: /home/ubuntu/sports-bar-backups/config-
backup-20251001-143000.tar.gz
```

Backup Location

```

~/sports-bar-backups/
├─ config-backup-20251001-143000.tar.gz  (latest)
├─ config-backup-20251001-120000.tar.gz
├─ config-backup-20250930-180000.tar.gz
└─ ... (up to 7 most recent)
```

Restore from Backup

If you need to restore a backup:

```
# List available backups
ls -lh ~/sports-bar-backups/

# Restore a specific backup
cd /home/ubuntu/Sports-Bar-TV-Controller
tar -xzf ~/sports-bar-backups/config-backup-20251001-143000.tar.gz

# The backup contains:
# - config/*.local.json
# - .env
# - prisma/dev.db
```

Manual Backup

Create a manual backup anytime:

```
cd /home/ubuntu/Sports-Bar-TV-Controller
tar -czf ~/my-backup-$(date +%Y%m%d).tar.gz \
  config/*.local.json \
  .env \
  prisma/dev.db
```

Configuration Files

What's in Each Config

`config/local.local.json` - System settings

```
{
  "system": { "name": "Your Bar", "timezone": "America/New_York" },
  "network": { "apiPort": 3000, "devPort": 3001 },
  "wolfpack": { "ip": "192.168.1.100", "port": 4999 },
  "features": { "aiAnalysis": true, "autoScheduling": true }
}
```

`config/devices.local.json` - Device inventory

```
{
  "wolfpack": { "inputs": [...], "outputs": [...] },
  "directv": { "receivers": [...] },
  "firetv": { "devices": [...] },
  "globalCache": { "devices": [...] }
}
```

`config/sports-teams.local.json` - Sports preferences

```
{
  "homeTeams": [...],
  "favoriteLeagues": ["NFL", "NBA", "MLB", "NHL"],
  "autoMonitor": true
}
```

Editing Configuration

After any update, you can edit your local config:

```
# Edit system settings
nano config/local.local.json

# Edit device configuration
nano config/devices.local.json

# Edit sports teams
nano config/sports-teams.local.json

# Or use the web UI:
# Navigate to Settings pages in the app
```

Success Message

After a successful update, you'll see:

```

✔ Update successful! Application is running on:
  🌐 http://localhost:3000
  🌐 http://192.168.1.50:3000

📄 What was updated:
  ✔ Application code from GitHub
  ✔ Dependencies installed
  ✔ libCEC support verified
  ✔ Local AI (Ollama) verified
  ✔ Database updated
  ✔ AI style analysis running in background

🔑 Configuration Status:
  ✔ Local configuration preserved (config/*.local.json)
  💾 Backup saved to: /home/ubuntu/sports-bar-backups/config-backup-20251001-143000.tar.gz
  📁 All backups in: /home/ubuntu/sports-bar-backups

🍷 Style Analysis:
  Check ai-style-reports/ for detailed component analysis
  Run './scripts/run-style-analysis.sh' for interactive tools

💡 Tip: Your local settings are safe during updates!
  Edit config: nano config/local.local.json
```

Troubleshooting

Configuration Not Preserved

If configuration seems to be lost:

1. **Check if backup exists:**

```
bash
ls -lh ~/sports-bar-backups/
```

2. **Restore from latest backup:**

```
bash
cd /home/ubuntu/Sports-Bar-TV-Controller
tar -xzf ~/sports-bar-backups/config-backup-*.tar.gz
```

3. **Verify .gitignore:**

```
bash
cat .gitignore | grep "local.json"
# Should show: config/*.local.json
```

Script Fails During Update

If the script fails:

1. **Check backup was created:**

```
bash
ls -lh ~/sports-bar-backups/ | head -3
Your config is safe!
```

2. **View the error:**

```
bash
# The script will show the error message
# Check logs if needed
tail -100 server.log
```

3. **Restore and retry:**

```
bash
cd /home/ubuntu/Sports-Bar-TV-Controller
git stash # Save any local changes
./update_from_github.sh # Try again
```

Configuration Validation

Verify your config files are valid:

```
# Check JSON syntax
cat config/local.local.json | jq .
cat config/devices.local.json | jq .
cat config/sports-teams.local.json | jq .

# If jq not installed:
sudo apt install jq
```

Advanced Usage

Skip Configuration Prompt

For automated deployments, set an environment variable:

```
export SKIP_CONFIG_PROMPT=1
./update_from_github.sh
```

Custom Backup Location

```
export BACKUP_DIR="/custom/backup/path"
./update_from_github.sh
```

Dry Run (Check Only)

To see what would be updated without making changes:

```
cd /home/ubuntu/Sports-Bar-TV-Controller
git fetch origin main
git diff HEAD origin/main --stat
```

Multiple Locations

If you manage multiple installations:

Location 1 (Downtown Bar)

```
cd /home/ubuntu/Sports-Bar-TV-Controller
./update_from_github.sh
# Uses: config/local.local.json (Downtown settings)
```

Location 2 (Westside Bar)

```
cd /home/ubuntu/Sports-Bar-TV-Controller
./update_from_github.sh
# Uses: config/local.local.json (Westside settings)
```

Each location maintains its own local config, but shares the same codebase from GitHub.

Summary

- ✓ **Automatic backup** before every update
- ✓ **Preserves local settings** during git pull
- ✓ **Initializes config** if missing
- ✓ **Merges new options** from templates
- ✓ **Keeps 7 recent backups** automatically
- ✓ **Safe to run anytime** - your settings are protected

Update fearlessly! Your local configuration is always safe.

Related Documentation:

- `LOCAL_CONFIG_SYSTEM.md` - Complete configuration guide
- `CONFIG_DEMO.md` - Visual walkthrough
- `config/README.md` - Configuration reference
- `RECENT_UPDATES.md` - Latest changes

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