

Flask UI Access Instructions Date: June 3, 2025 15:00 PDT ## Overview This document provides instructions for accessing and using the Flask UI for GBP14-15 components. The UI provides access to task routing, CLI hooks, and metrics visualization. ## Local Deployment ### Prerequisites 1. Python 3.13.3 2. Redis server running locally 3. Environment variables set: `bash export GITBRIDGE_ENV=development export REDIS_HOST=localhost export REDIS_PORT=6379 export FLASK_SECRET_KEY=your_secret_key` ### Setup Steps 1. Install dependencies: `bash pip install -r requirements-webhook.txt` 2. Start Redis server (if not running): `bash redis-server` 3. Launch Flask server: `bash python -m scripts.run_server.py` 4. Access UI: - URL: <http://localhost:8888> - Default credentials: - Username: admin - Password: gbp_admin_2025 ## UI Features ### 1. Task Management - **Route**: `/tasks` - **Features**: - View task queue - Monitor task status - View task details - Cancel tasks - Retry failed tasks ### 2. Agent Management - **Route**: `/agents` - **Features**: - Register new agents - View agent status - Monitor agent capacity - View agent metrics ### 3. Vote Sequence - **Route**: `/votes` - **Features**: - View vote history - Monitor consensus status - View vote distribution - Export vote data ### 4. Metrics Dashboard - **Route**: `/metrics` - **Features**: - Real-time queue depth - Latency metrics - Error rates - Resource utilization - Performance graphs ### 5. CLI Integration - **Route**: `/cli` - **Features**: - Web-based CLI interface - Command history - Auto-completion - Help documentation ## API Documentation ### Task API `yaml` POST `/api/v1/tasks` - Create new task - Requires authentication - Returns task ID GET `/api/v1/tasks/{task_id}` - Get task status - Requires authentication - Returns task details `yaml` POST `/api/v1/agents` - Register new agent - Requires authentication - Returns agent ID GET `/api/v1/agents/{agent_id}` - Get agent status - Requires authentication - Returns agent details `yaml` GET `/api/v1/metrics` - Get system metrics - Requires authentication - Returns metrics data `yaml` ## Authentication ### Token-based Authentication 1. Get token: `bash curl -X POST http://localhost:8888/api/v1/auth/token -H "Content-Type: application/json" -d '{"username": "admin", "password": "gbp_admin_2025"}'` 2. Use token: `bash curl http://localhost:8888/api/v1/tasks -H "Authorization: Bearer {token}"` ### Session Management - Session timeout: 1 hour - Max concurrent sessions: 5 - Auto-refresh enabled ## Troubleshooting ### Common Issues 1. Connection Refused `bash # Check Redis status redis-cli ping # Check Flask server ps aux | grep run_server.py` 2. Authentication Failed `bash # Reset admin password python scripts/reset_admin.py` 3. Metrics Not Loading `bash # Clear metrics cache redis-cli del metrics:*` ## Security Notes 1. Change default credentials immediately 2. Use HTTPS in production 3. Enable rate limiting 4. Monitor access logs ## Support For technical support: - Email: support@gitbridge.erudite.com - Slack: #gbp-support - Documentation: <http://localhost:8888/docs>