

# Overview

## LIVE SERVER DETAILS

- Hostname: john.igotafrica.com
- OS: Ubuntu Linux 5.4.0-208-generic (released Feb 2025)
- Architecture: x86\_64 (64-bit)

### Hardware:

- Memory: 15GB RAM (13GB used)
- Storage:
  - Root partition (/): 19GB (26% used)
  - Home partition (/home): 59GB (26% used)
  - Var partition (/var): 9.8GB (42% used)

### Services:

- Web Server: Apache with multiple virtual hosts
- Database: MySQL (via multiple PHP-FPM services)
- PHP: Multiple versions (7.4, 8.0, 8.1, 8.3) running via FPM
- Other Services:
  - Memcached (11211)
  - Postfix email (port 25)
  - NFS services (ports 2049, 111)
  - SSH (port 22)
  - Webmin admin panel (port 10000)

### Domain Configuration:

- Main domains:
  - rbnoperationsroom.com (Bafokeng system)
  - bafokengarchives.com
  - mantis.rbnoperationsroom.com
  - bookstack.rbnoperationsroom.com
  - rbed.rbnoperationsroom.com
  - rbndb.rbnoperationsroom.com
  - training.rbnoperationsroom.com

### Security:

- All domains use HTTPS with Let's Encrypt SSL certificates
- HTTP redirects to HTTPS

- Each application has its own dedicated directory and virtual host

## SYSTEMS HOSTED

### Mantis Bug Tracker

- Version: 1.2.10
- Database: MySQL (mailto:mantis@cyberdyne2.local)
- Authentication: Standard Mantis login
- Email: Configured with PHP Mail using administrator email mailto:iandouglashaldane@gmail.com
- Plugins: MantisCoreFormatting, MantisGraph, XmlImportExport
- Features: Issue tracking, categorization, file attachments, user management, email notifications, reporting capabilities

### RBED System (Royal Bafokeng Enterprise Development)

- Framework: Symfony 1.2.4 with Propel ORM
- Database: MySQL
- Components: Web portal, admin interface, document management
- Functionality: Manages business opportunities, tenders, and enterprise development
- Integration: Connects with ERP, SAGE accounting, SMS gateway, email via Mimecast
- Deployment: Uses pilot/production setup with structured deployment scripts
- Features: Enterprise development tracking, tender management, company scoring, BEE certification tracking

### BookStack

- Framework: Laravel 9.0
- Database: MySQL (mailto:bookstack@cyberdyne2.local)
- URL: https://bookstack.rbnoperationsroom.com
- Authentication: Supports standard login, LDAP, SAML2, OIDC
- Features: Content organization via Books/Chapters/Pages, revision control, dark mode, multi-language interface, PDF export
- File upload limit: 50MB

### Bafokeng Archives

- CMS: Mukurtu 2.0.11 (built on Drupal 7.59)
- Database: MySQL 5.7.36
- Purpose: Cultural heritage management system
- Features: Cultural protocol management, digital heritage content, traditional knowledge labels
- Access Control: Community and protocol-based permissions
- Capabilities: Dictionary feature, multimedia content, geotagging

### OPMO/RBED System

- Framework: Symfony 1.2.4 with Propel ORM
- Database: MySQL (mailto:bafokeng@cyberdyne2.local)
- Components: User management, geographic data, content management, financial reporting
- Security: VPN access via Cisco client, SSL certificates
- Integration: PowerBI, RapidDeploy, CIPC, water utility APIs
- Features: Business intelligence reporting, project management, incident tracking

\*\*\*Changing to Azure\*\*\*

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