# VIVO 1.12.x Documentation

## Table of Contents

- **Introduction**
  - Release Notes
  - Functional Overview
  - System Requirements
- **Installing VIVO**
- **Upgrading VIVO**
  - Additional Considerations
  - Preserving Customizations During Build
- **Exploring VIVO**
  - Logging in to VIVO
  - Sample Data
  - Restoring VIVO to First Time State
- **Preparing for Production**
  - Minimum Configuration
  - About Page and Support Link
  - Create, Assign, and Use an Institutional Internal Class
  - Adding User Accounts
  - Adding Site Information
  - Simple Theming
  - Configuring Google Analytics
  - Adding the Data Distribution API
  - Configuring External Vocabularies
- **Using VIVO**
  - Navigating VIVO
  - Editing Your Profile
  - Using Search
  - Using Visualizations
  - VIVO for Data Analysts
- **Managing Data in Your VIVO**
  - Importing Data to VIVO
  - Exporting Data from VIVO
  - Managing Person Identifiers
  - Managing Organization Hierarchy
  - Managing Data Packages
  - SPARQL Queries
  - How to remove data from a specific graph
  - Removing Entities from VIVO
- **Extending and Localizing VIVO**
  - Internationalization
  - Customizing the Interface
  - Adding Additional Ontologies to VIVO
  - Enable an external authentication system
  - Authorization
  - Adding External Vocabularies
  - Search Engine Optimization (SEO)
- **System Administration**
  - Creating and Managing User Accounts
  - Backup and Restore
  - Inferences and Indexing
  - The Site Administration Page
  - The VIVO log file
  - Activating the ORCID integration
  - Performance Tuning
  - Virtual Machine Templates
  - Moving your VIVO Instance
  - Regaining access to the root account
  - Altmetrics Support
  - Troubleshooting
  - High Availability
  - Replicating Ontology Changes Across Instances
  - Jena SDB and MySQL setup
  - How to mitigate the Log4Shell (CVE-2021-44228, CVSSv3 10.0) vulnerability
  - How to mitigate the Spring CVE-2022-22965 vulnerability
VIVO Release Downloads

**VIVO 1.12.x Release:**

- **Binary release** (no Java source code included): see note below
- **Full source release**: see note below

Past releases are available from VIVO's GitHub.

Developers may also checkout Vitro and VIVO source code from our GitHub repositories:

1. Vitro-languages repository
2. VIVO-languages repository
3. Vitro repository
4. VIVO repository

Recent Documentation Updates

**Recently Updated**

- **Editing Your Profile**
  Jun 27, 2023 • updated by Dragan Ivanovic • view change

- **Claiming publications by DOI**
  Jun 27, 2023 • attached by Dragan Ivanovic

- **Upgrading VIVO**
  Apr 13, 2023 • updated by Dragan Ivanovic • view change

- **How to mitigate the Spring CVE-2022-22965 vulnerability**
  Apr 02, 2022 • updated by Dragan Ivanovic • view change

- **Grant Model**
  Mar 23, 2022 • commented by Benjamin Gross

- **Shibboleth example**
  Feb 22, 2022 • created by Benjamin Gross

- **Installing VIVO**
  Feb 15, 2022 • updated by Ralph O'Flinn • view change

- **Release Notes**
  Feb 15, 2022 • updated by Ralph O'Flinn • view change

- **Enriching profile pages using SPARQL query DataGetters**
  Jan 11, 2022 • updated by Benjamin Gross • view change

- **How to mitigate the Log4Shell (CVE-2021-44228, CVSSv3 10.0) vulnerability**
  Dec 15, 2021 • created by Dragan Ivanovic

- **System Requirements**
  Dec 09, 2021 • updated by Benjamin Gross • view change

- **Developing a New Interface Language for VIVO**
  Oct 19, 2021 • updated by Veljko Maksimovic • view change

- **System Requirements**
  Oct 19, 2021 • updated by Dragan Ivanovic • view change

- **Adding the Data Distribution API**
  Sep 01, 2021 • updated by Dragan Ivanovic • view change

- **VIVO Data Models**
  Sep 01, 2021 • updated by Dragan Ivanovic • view change