Bookstack Wiki Architecture

Here you can find architecture diagrams corresponding to our pricing plans.

(This section contains three architecture diagrams, each illustrating the infrastructure setup based on the selected pricing model.)

- 1. Bookstack infra with default auth
- 2. Bookstack infra with Google auth, on default VPC
- 3. Bookstack infra with Google auth, custom VPC

1. Bookstack infra with default auth

1. Bookstack infra with default auth, on default VPC, RDS AutoBackup Off, Single-AZ, EC2. ≈$45.40

This **BookStack** infrastructure is **optimized for cost efficiency** by utilizing an **existing VPC** instead of provisioning a new one. **AWS Cognito** authentication **is disabled**, relying on **standard authentication** mechanisms. The database is hosted on **RDS** with a **Single-AZ deployment**, and **AutoBackup** is **disabled** to minimize costs. Additionally, the infrastructure includes an **EC2 instance**, **EFS Backup** for persistent storage, **Secrets Manager** and **Systems Manager** for secure configuration management, and **CloudWatch Logs** for monitoring and troubleshooting.

Bookstack infra-1.jpeg
Image not found or type unknown

You can always update the current stack using a **Change Set** to enable:

• **RDS Multi-AZ** (`MultiAZ=true`) for high availability,

• **RDS AutoBackup** (`AutoBackup=true`) for automatic backups,

• **RDS Deletion Protection** (`DeletionProtection=true`) to prevent accidental deletion.

However, **you cannot switch from the default VPC to a custom one** because the **CIDR block differs**, preventing the stack from being updated.

For instructions on updating the stack using a **Change Set**, please refer to the **dedicated guide**.

2. Bookstack infra with Google auth, on default VPC

2. Bookstack infra with Google auth, on default VPC, RDS AutoBackup Off, Single-AZ, EC2. ≈$51.40

Balanced BookStack deployment utilizing an **existing VPC** with **AWS Cognito** for **authentication**. **RDS Single-AZ** with **AutoBackup disabled** ensures **cost efficiency**, while **EFS Backup**, **Secrets Manager**, **Systems Manager**, **EC2**, and **CloudWatch Logs** provide security and monitoring.

Bookstack infra 2.png
Image not found or type unknown

You can always update the current stack using a **Change Set** to enable:

• **RDS Multi-AZ** (`MultiAZ=true`) for high availability,

• **RDS AutoBackup** (`AutoBackup=true`) for automatic backups,

• **RDS Deletion Protection** (`DeletionProtection=true`) to prevent accidental deletion.

However, **you cannot switch from the default VPC to a custom one** because the **CIDR block differs**, preventing the stack from being updated.

For instructions on updating the stack using a **Change Set**, please refer to the **dedicated guide**.

3. Bookstack infra with Google auth, custom VPC

3. Bookstack infra with Google auth, custom VPC, RDS AutoBackup Off, Single-AZ, EC2. ≈$84.25

The **BookStack infrastructure** is designed **for a scalable and secure deployment**. It utilizes a **new VPC** for network isolation, **AWS Cognito** for **authentication**, and **RDS** for database management in a **Single-AZ** configuration with **AutoBackup disabled to optimize costs**. An **EC2 instance** powers the application, while **EFS Backup** ensures data persistence. **Secrets Manager** and **Systems Manager** enhance configuration security, and **CloudWatch Logs** provide real-time monitoring and troubleshooting capabilities.

Bookstack infra-3.png
Image not found or type unknown

You can always update the current stack using a **Change Set** to enable:

• **RDS Multi-AZ** (`MultiAZ=true`) for high availability,

• **RDS AutoBackup** (`AutoBackup=true`) for automatic backups,

• **RDS Deletion Protection** (`DeletionProtection=true`) to prevent accidental deletion.

However, **you cannot switch from the default VPC to a custom one** because the **CIDR block differs**, preventing the stack from being updated.

For instructions on updating the stack using a **Change Set**, please refer to the **dedicated guide.**