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# **Apache ShardingSphere document**

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<b>1</b>	<b>Quick Start</b>	<b>1</b>
<b>2</b>	<b>Concepts</b>	<b>2</b>
2.1	Adaptor . . . . .	2
2.2	Mode . . . . .	2
2.3	DistSQL . . . . .	2
2.4	Pluggable Architecture . . . . .	2
<b>3</b>	<b>Features</b>	<b>3</b>
3.1	DB Compatibility . . . . .	4
3.1.1	SQL Parser . . . . .	4
3.1.2	DB Protocol . . . . .	4
3.2	Management . . . . .	4
3.3	Sharding . . . . .	4
3.3.1	Core Concept . . . . .	4
3.3.2	Use Norms . . . . .	4
3.4	Distributed Transaction . . . . .	4
3.4.1	Core Concept . . . . .	4
3.4.2	Use Norms . . . . .	4
3.5	Readwrite-splitting . . . . .	4
3.6	HA . . . . .	4
3.7	Scaling . . . . .	4
3.8	Encryption . . . . .	4
3.9	Shadow DB . . . . .	4
3.10	Observability . . . . .	4
<b>4</b>	<b>User Manual</b>	<b>5</b>
4.1	ShardingSphere-JDBC . . . . .	5
4.1.1	Java API . . . . .	5
	Rules . . . . .	5
4.1.2	YAML Configuration . . . . .	5
	Rules . . . . .	5

4.1.3	Spring Boot Starter . . . . .	5
	Rules . . . . .	5
4.1.4	Spring Namespace . . . . .	5
	Rules . . . . .	5
4.1.5	Builtin Algorithm . . . . .	5
4.1.6	Special API . . . . .	5
	Sharding . . . . .	5
	Transaction . . . . .	5
	Observability . . . . .	6
4.2	ShardingSphere-Proxy . . . . .	6
4.2.1	Startup . . . . .	6
4.2.2	Yaml Configuration . . . . .	6
4.2.3	DistSQL . . . . .	6
	Syntax . . . . .	6
	Usage . . . . .	6
4.3	ShardingSphere-Sidecar . . . . .	6
4.4	ShardingSphere-Scaling . . . . .	6
<b>5</b>	<b>Dev Manual</b>	<b>7</b>
<b>6</b>	<b>Reference</b>	<b>8</b>
6.1	Management . . . . .	9
6.2	Sharding . . . . .	9
6.3	Transaction . . . . .	9
6.4	Scaling . . . . .	9
6.5	Encryption . . . . .	9
6.6	Shadow . . . . .	9
6.7	Test . . . . .	9
6.7.1	Integration Test . . . . .	9
6.7.2	Performance Test . . . . .	9
6.7.3	Module Test . . . . .	9
6.8	FAQ . . . . .	9
6.9	API Change Histories . . . . .	9
6.9.1	ShardingSphere-JDBC . . . . .	9
6.9.2	ShardingSphere-Proxy . . . . .	9
<b>7</b>	<b>Downloads</b>	<b>10</b>



## **2.1 Adaptor**

## **2.2 Mode**

## **2.3 DistSQL**

## **2.4 Pluggable Architecture**

3

## Features

### **3.1 DB Compatibility**

#### **3.1.1 SQL Parser**

#### **3.1.2 DB Protocol**

### **3.2 Management**

### **3.3 Sharding**

#### **3.3.1 Core Concept**

#### **3.3.2 Use Norms**

### **3.4 Distributed Transaction**

#### **3.4.1 Core Concept**

#### **3.4.2 Use Norms**

### **3.5 Readwrite-splitting**

### **3.6 HA**

### **3.7 Scaling**

### **3.8 Encryption**

### **3.9 Shadow DB**

### **3.10 Observability**

## **4.1 ShardingSphere-JDBC**

### **4.1.1 Java API**

**Rules**

### **4.1.2 YAML Configuration**

**Rules**

### **4.1.3 Spring Boot Starter**

**Rules**

### **4.1.4 Spring Namespace**

**Rules**

### **4.1.5 Builtin Algorithm**

### **4.1.6 Special API**

**Sharding**

**Transaction**



Observability

## 4.2 ShardingSphere-Proxy

### 4.2.1 Startup

### 4.2.2 Yaml Configuration

### 4.2.3 DistSQL

Syntax

RDL Syntax

RQL Syntax

RAL Syntax

Usage

## 4.3 ShardingSphere-Sidecar

## 4.4 ShardingSphere-Scaling





## Reference

### **6.1 Management**

### **6.2 Sharding**

### **6.3 Transaction**

### **6.4 Scaling**

### **6.5 Encryption**

### **6.6 Shadow**

### **6.7 Test**

#### **6.7.1 Integration Test**

#### **6.7.2 Performance Test**

#### **6.7.3 Module Test**

### **6.8 FAQ**

### **6.9 API Change Histories**

#### **6.9.1 ShardingSphere-JDBC**

#### **6.9.2 ShardingSphere-Proxy**

7

**Downloads**