



Splice Machine Documentation

Last generated: February 21, 2018

© 2018 Splice Machine, Inc. All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the publisher, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law.

Table of Contents

Splice Machine Tutorials

- » [Introduction.....](#) 0
- » [splice> Command Line.....](#) 1
- » [Ingestion and Streaming](#) 1
- » [Analytics and Machine Learning](#) 1
- » [Connecting Programmatically](#) 1
- » [Connecting BI Tools](#) 1

Splice Machine SQL Manual

Developer's Guide

Command Line Reference

Database Console

Database-as-Service Product

On-Premise Database Product

Splice Machine Release Notes

Splice Machine Database

General Information

Splice Machine Tutorials

This guide includes tutorials to help you quickly become proficient in various aspects of using Splice Machine:

Section	Description
Data Ingestion and Streaming (page 0)	<p>This section includes topics that show you how to get data into your database:</p> <ul style="list-style-type: none">• Importing Data Tutorial (page 0)• Streaming with Kafka and Splice Machine (page 0)• Spark Streaming with MQTT (page 0)• Using Apache Storm with Splice Machine (page 0)

Section	Description
Connecting Your Database (page 0)	<p>This section introduces our JDBC and ODBC drivers and contains mini-tutorials to help you use our drivers to connect to your Splice Machine database with various programming languages, including:</p> <ul style="list-style-type: none">• Connecting with AngularJS and JDBC (page 0)• Connecting with Java and JDBC (page 0)• Connecting with JRuby and JDBC (page 0)• Connecting with Jython and JDBC (page 0)• Connecting with Scala and JDBC (page 0)• Connecting with C and ODBC (page 0)• Connecting with Python and ODBC (page 0) <p>This section also contains mini-tutorials to help you connect specific Business Intelligence tools to your Splice Machine database, including:</p> <ul style="list-style-type: none">• Connecting Cognos to Splice Machine (page 0)• Connecting DBeaver to Splice Machine (page 0)• Connecting DBVisualizer to Splice Machine (page 0)• Connecting SQuirreL to Splice Machine (page 0)• Connecting Tableau to Splice Machine (page 0)
Analytics and Machine Learning (page 0)	<ul style="list-style-type: none">• Using Zeppelin with Splice Machine (page 0)

Welcome to Splice Machine!

Welcome to Splice Machine, the database platform for adaptive applications that manage operational processes. This site contains documentation to how you use our products. Visit our company web site to [learn more about how our platform works](https://www.splicemachine.com/product/how-it-works/) (<https://www.splicemachine.com/product/how-it-works/>).

Documentation Versions

This web contains the current customer documentation for **version 2.7** of Splice Machine.

If you're using an earlier version, you can find the documentation in these locations:

» [Splice Machine Version 2.5.1 Documentation. \(https://doc.splicemachine.com/2.5.1/index.html\)](https://doc.splicemachine.com/2.5.1/index.html)

Splice Machine Editions

Splice Machine's database platform is available in several editions, all of which are documented in this web. Click an Edition name in the table below to navigate to the documentation home page for that edition.

Splice Machine Edition	Description
Cloud Edition (page 0)	You can configure and deploy our <i>Managed Database Service in the Cloud Edition</i> in a matter of minutes: simply register, adjust a few configuration options for your anticipated data size, cluster power, and backup frequency, and you're up and running within 10-15 minutes.
Enterprise Edition (page 0)	You can deploy the Enterprise Edition of our <i>On-Premise Database</i> on a cluster that is managed by Cloudera, MapR, or Hortonworks. This edition is a superset of our Community Edition, adding features such as backup and encryption that are required for enterprise users.

Splice Machine Edition	Description
Cluster Community Edition (page 0)	You can deploy the free, open source Cluster Community Edition of our <i>On-Premise Database</i> on a cluster that is managed by Cloudera, MapR, or Hortonworks.
Standalone Community Edition (page 0)	You can install and run the free Standalone Community Edition of our <i>On-Premise Database</i> on a computer running MacOS, Linux, or CentOS. This edition is a great way to quickly learn about and play with the many features of our database platform.



Our [Editions \(page 0\)](#) page compares the features available in each Splice Machine product edition.

Finding Information

This documentation web include three main sections, each of which is accessed through the main menu at the top of each page:

- » The **Splice Machine** menu links to topics that apply to all of our database editions, including our Tutorials and our SQL Reference Manual.
- » The **DB-Service Only** menu links to topics that apply only to our Managed Database Service in the Cloud edition, including our Cloud Manager Guide and guides to using Zeppelin with Splice Machine.
- » The **On-Premise-Only** menu links to topics that apply only to the On-Premise editions of our database platform, including our Installation and Administrator's Guides.

Each topic page in this web also includes a sidebar that links to topics related to the one you are currently viewing. You can hide or show the sidebar by clicking the **Nav** button in the menu at the top of screen.

See the [Using our Documentation \(page 0\)](#) page to learn more about the content available in our documentation and how to easily navigate among our sections and topics.

Welcome to Splice Machine!

Welcome to Splice Machine, the database platform for adaptive applications that manage operational processes. This site contains documentation to how you use our products. Visit our company web site to [learn more about how our platform works](https://www.splicemachine.com/product/how-it-works/) (<https://www.splicemachine.com/product/how-it-works/>).

Documentation Versions

This web contains the current customer documentation for **version 2.7** of Splice Machine.

If you're using an earlier version, you can find the documentation in these locations:

» [Splice Machine Version 2.5.1 Documentation. \(https://doc.splicemachine.com/2.5.1/index.html\)](https://doc.splicemachine.com/2.5.1/index.html)

Splice Machine Editions

Splice Machine's database platform is available in several editions, all of which are documented in this web. Click an Edition name in the table below to navigate to the documentation home page for that edition.

Splice Machine Edition	Description
Cloud Edition (page 0)	You can configure and deploy our <i>Managed Database Service in the Cloud Edition</i> in a matter of minutes: simply register, adjust a few configuration options for your anticipated data size, cluster power, and backup frequency, and you're up and running within 10-15 minutes.
Enterprise Edition (page 0)	You can deploy the Enterprise Edition of our <i>On-Premise Database</i> on a cluster that is managed by Cloudera, MapR, or Hortonworks. This edition is a superset of our Community Edition, adding features such as backup and encryption that are required for enterprise users.

Splice Machine Edition	Description
Cluster Community Edition (page 0)	You can deploy the free, open source Cluster Community Edition of our <i>On-Premise Database</i> on a cluster that is managed by Cloudera, MapR, or Hortonworks.
Standalone Community Edition (page 0)	You can install and run the free Standalone Community Edition of our <i>On-Premise Database</i> on a computer running MacOS, Linux, or CentOS. This edition is a great way to quickly learn about and play with the many features of our database platform.



Our [Editions \(page 0\)](#) page compares the features available in each Splice Machine product edition.

Finding Information

This documentation web include three main sections, each of which is accessed through the main menu at the top of each page:

- » The **Splice Machine** menu links to topics that apply to all of our database editions, including our Tutorials and our SQL Reference Manual.
- » The **DB-Service Only** menu links to topics that apply only to our Managed Database Service in the Cloud edition, including our Cloud Manager Guide and guides to using Zeppelin with Splice Machine.
- » The **On-Premise-Only** menu links to topics that apply only to the On-Premise editions of our database platform, including our Installation and Administrator's Guides.

Each topic page in this web also includes a sidebar that links to topics related to the one you are currently viewing. You can hide or show the sidebar by clicking the **Nav** button in the menu at the top of screen.

See the [Using our Documentation \(page 0\)](#) page to learn more about the content available in our documentation and how to easily navigate among our sections and topics.

Welcome to Splice Machine!

Welcome to Splice Machine, the database platform for adaptive applications that manage operational processes. This site contains documentation to how you use our products. Visit our company web site to [learn more about how our platform works](https://www.splicemachine.com/product/how-it-works/) (<https://www.splicemachine.com/product/how-it-works/>).

Documentation Versions

This web contains the current customer documentation for **version 2.7** of Splice Machine.

If you're using an earlier version, you can find the documentation in these locations:

» [Splice Machine Version 2.5.1 Documentation. \(https://doc.splicemachine.com/2.5.1/index.html\)](https://doc.splicemachine.com/2.5.1/index.html)

Splice Machine Editions

Splice Machine's database platform is available in several editions, all of which are documented in this web. Click an Edition name in the table below to navigate to the documentation home page for that edition.

Splice Machine Edition	Description
Cloud Edition (page 0)	You can configure and deploy our <i>Managed Database Service in the Cloud Edition</i> in a matter of minutes: simply register, adjust a few configuration options for your anticipated data size, cluster power, and backup frequency, and you're up and running within 10-15 minutes.
Enterprise Edition (page 0)	You can deploy the Enterprise Edition of our <i>On-Premise Database</i> on a cluster that is managed by Cloudera, MapR, or Hortonworks. This edition is a superset of our Community Edition, adding features such as backup and encryption that are required for enterprise users.

Splice Machine Edition	Description
Cluster Community Edition (page 0)	You can deploy the free, open source Cluster Community Edition of our <i>On-Premise Database</i> on a cluster that is managed by Cloudera, MapR, or Hortonworks.
Standalone Community Edition (page 0)	You can install and run the free Standalone Community Edition of our <i>On-Premise Database</i> on a computer running MacOS, Linux, or CentOS. This edition is a great way to quickly learn about and play with the many features of our database platform.



Our [Editions \(page 0\)](#) page compares the features available in each Splice Machine product edition.

Finding Information

This documentation web include three main sections, each of which is accessed through the main menu at the top of each page:

- » The **Splice Machine** menu links to topics that apply to all of our database editions, including our Tutorials and our SQL Reference Manual.
- » The **DB-Service Only** menu links to topics that apply only to our Managed Database Service in the Cloud edition, including our Cloud Manager Guide and guides to using Zeppelin with Splice Machine.
- » The **On-Premise-Only** menu links to topics that apply only to the On-Premise editions of our database platform, including our Installation and Administrator's Guides.

Each topic page in this web also includes a sidebar that links to topics related to the one you are currently viewing. You can hide or show the sidebar by clicking the **Nav** button in the menu at the top of screen.

See the [Using our Documentation \(page 0\)](#) page to learn more about the content available in our documentation and how to easily navigate among our sections and topics.

Welcome to Splice Machine!

Welcome to Splice Machine, the database platform for adaptive applications that manage operational processes. This site contains documentation to how you use our products. Visit our company web site to [learn more about how our platform works](https://www.splicemachine.com/product/how-it-works/) (<https://www.splicemachine.com/product/how-it-works/>).

Documentation Versions

This web contains the current customer documentation for **version 2.7** of Splice Machine.

If you're using an earlier version, you can find the documentation in these locations:

» [Splice Machine Version 2.5.1 Documentation. \(https://doc.splicemachine.com/2.5.1/index.html\)](https://doc.splicemachine.com/2.5.1/index.html)

Splice Machine Editions

Splice Machine's database platform is available in several editions, all of which are documented in this web. Click an Edition name in the table below to navigate to the documentation home page for that edition.

Splice Machine Edition	Description
Cloud Edition (page 0)	You can configure and deploy our <i>Managed Database Service in the Cloud Edition</i> in a matter of minutes: simply register, adjust a few configuration options for your anticipated data size, cluster power, and backup frequency, and you're up and running within 10-15 minutes.
Enterprise Edition (page 0)	You can deploy the Enterprise Edition of our <i>On-Premise Database</i> on a cluster that is managed by Cloudera, MapR, or Hortonworks. This edition is a superset of our Community Edition, adding features such as backup and encryption that are required for enterprise users.

Splice Machine Edition	Description
Cluster Community Edition (page 0)	You can deploy the free, open source Cluster Community Edition of our <i>On-Premise Database</i> on a cluster that is managed by Cloudera, MapR, or Hortonworks.
Standalone Community Edition (page 0)	You can install and run the free Standalone Community Edition of our <i>On-Premise Database</i> on a computer running MacOS, Linux, or CentOS. This edition is a great way to quickly learn about and play with the many features of our database platform.



Our [Editions \(page 0\)](#) page compares the features available in each Splice Machine product edition.

Finding Information

This documentation web include three main sections, each of which is accessed through the main menu at the top of each page:

- » The **Splice Machine** menu links to topics that apply to all of our database editions, including our Tutorials and our SQL Reference Manual.
- » The **DB-Service Only** menu links to topics that apply only to our Managed Database Service in the Cloud edition, including our Cloud Manager Guide and guides to using Zeppelin with Splice Machine.
- » The **On-Premise-Only** menu links to topics that apply only to the On-Premise editions of our database platform, including our Installation and Administrator's Guides.

Each topic page in this web also includes a sidebar that links to topics related to the one you are currently viewing. You can hide or show the sidebar by clicking the **Nav** button in the menu at the top of screen.

See the [Using our Documentation \(page 0\)](#) page to learn more about the content available in our documentation and how to easily navigate among our sections and topics.

Welcome to Splice Machine!

Welcome to Splice Machine, the database platform for adaptive applications that manage operational processes. This site contains documentation to how you use our products. Visit our company web site to [learn more about how our platform works](https://www.splicemachine.com/product/how-it-works/) (<https://www.splicemachine.com/product/how-it-works/>).

Documentation Versions

This web contains the current customer documentation for **version 2.7** of Splice Machine.

If you're using an earlier version, you can find the documentation in these locations:

» [Splice Machine Version 2.5.1 Documentation. \(https://doc.splicemachine.com/2.5.1/index.html\)](https://doc.splicemachine.com/2.5.1/index.html)

Splice Machine Editions

Splice Machine's database platform is available in several editions, all of which are documented in this web. Click an Edition name in the table below to navigate to the documentation home page for that edition.

Splice Machine Edition	Description
Cloud Edition (page 0)	You can configure and deploy our <i>Managed Database Service in the Cloud Edition</i> in a matter of minutes: simply register, adjust a few configuration options for your anticipated data size, cluster power, and backup frequency, and you're up and running within 10-15 minutes.
Enterprise Edition (page 0)	You can deploy the Enterprise Edition of our <i>On-Premise Database</i> on a cluster that is managed by Cloudera, MapR, or Hortonworks. This edition is a superset of our Community Edition, adding features such as backup and encryption that are required for enterprise users.

Splice Machine Edition	Description
Cluster Community Edition (page 0)	You can deploy the free, open source Cluster Community Edition of our <i>On-Premise Database</i> on a cluster that is managed by Cloudera, MapR, or Hortonworks.
Standalone Community Edition (page 0)	You can install and run the free Standalone Community Edition of our <i>On-Premise Database</i> on a computer running MacOS, Linux, or CentOS. This edition is a great way to quickly learn about and play with the many features of our database platform.



Our [Editions \(page 0\)](#) page compares the features available in each Splice Machine product edition.

Finding Information

This documentation web include three main sections, each of which is accessed through the main menu at the top of each page:

- » The **Splice Machine** menu links to topics that apply to all of our database editions, including our Tutorials and our SQL Reference Manual.
- » The **DB-Service Only** menu links to topics that apply only to our Managed Database Service in the Cloud edition, including our Cloud Manager Guide and guides to using Zeppelin with Splice Machine.
- » The **On-Premise-Only** menu links to topics that apply only to the On-Premise editions of our database platform, including our Installation and Administrator's Guides.

Each topic page in this web also includes a sidebar that links to topics related to the one you are currently viewing. You can hide or show the sidebar by clicking the **Nav** button in the menu at the top of screen.

See the [Using our Documentation \(page 0\)](#) page to learn more about the content available in our documentation and how to easily navigate among our sections and topics.