SingleStore ™

Proof of Value

Augment + Modernize

This document outlines the purpose, scope and implementation of SingleStore supported by an initial Proof of Value (POV), to be delivered by [customer name] with support from SingleStore.

Prepared by

First name Last name (Solutions Engineer)
First name Last name (Account Executive)

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Stakeholder Confirmation

By listing my name below, I agree the POV specifications in this document are the requirements as defined by [prospect/customer company name] and SingleStore. This is not a contract, but rather a document to ensure a shared understanding of the scope and objectives of the POV.

Stakeholder Name	Role
Nick Ambrose (Customer Company Name)	Engineering Manager (email)
George Zhu (Partner Company Name)	Director Of Engineering (email)
	…

POV starting date	POV end date
##/##/####	##/##/####

High-level business outcomes

Example: The primary objective is to decrease expenses and time linked with the current analytical and operational systems. [Customer] aims to achieve this leveraging SingleStore's rowstore, columnstore and three-tier architecture. As [customer's] data volume continues to grow, it sees an increased necessity to isolate noisy neighbor scenarios. *Make this blurb as long or short as you need based on your POV.*

High-level technical outcomes and success criteria

Short hypothetical list of technical outcomes (tabular or list format), along with post-POV proven thesis.

Criteria	Desired performance	Current performance	SingleStore performance	% to desired performance
Nightly ingest	< 2 hours	2-3 hours		%
P50 with 1500 vus	< 1 sec	NA		%
P95 with 1500 vus	< 5 sec	10 sec (750 vus)		%
P99 with 1500 vus	< 10 sec	NA		%
Concurrency	…	…	…	…

High-level execution plan (optional)

Prerequisites and dependencies; list of things we (and the customer) need to do to be successful:

Dependency	Owner
SingleStore	
Size workspace	SE
Create trial cluster and provide customer with relevant security credentials	SE
Slack channel	AE
…	…
Customer	
Private Link	Customer point-of-contact
NDA	Customer point-of-contact
…	…
SingleStore and customer jointly	
Monitor load	SE and customer POV
…	…

The hypothesis

- It is important to note at the point of Build, most customers will not have a list of requirements. Therefore as an SE, ensure you flesh out if the following are the most important priorities:
    1. Recall/speed/accuracy
    2. Vectors
    3. Multimodal
    4. Accuracy + speed vs. HNSW vs. IVFPQ indexes.

- The detailed list of what we'll be doing along with times, if appropriate; how we'll be doing it with SingleStore.

Proven theses

- List of reasons why the hypothesis was either proved or disproved.
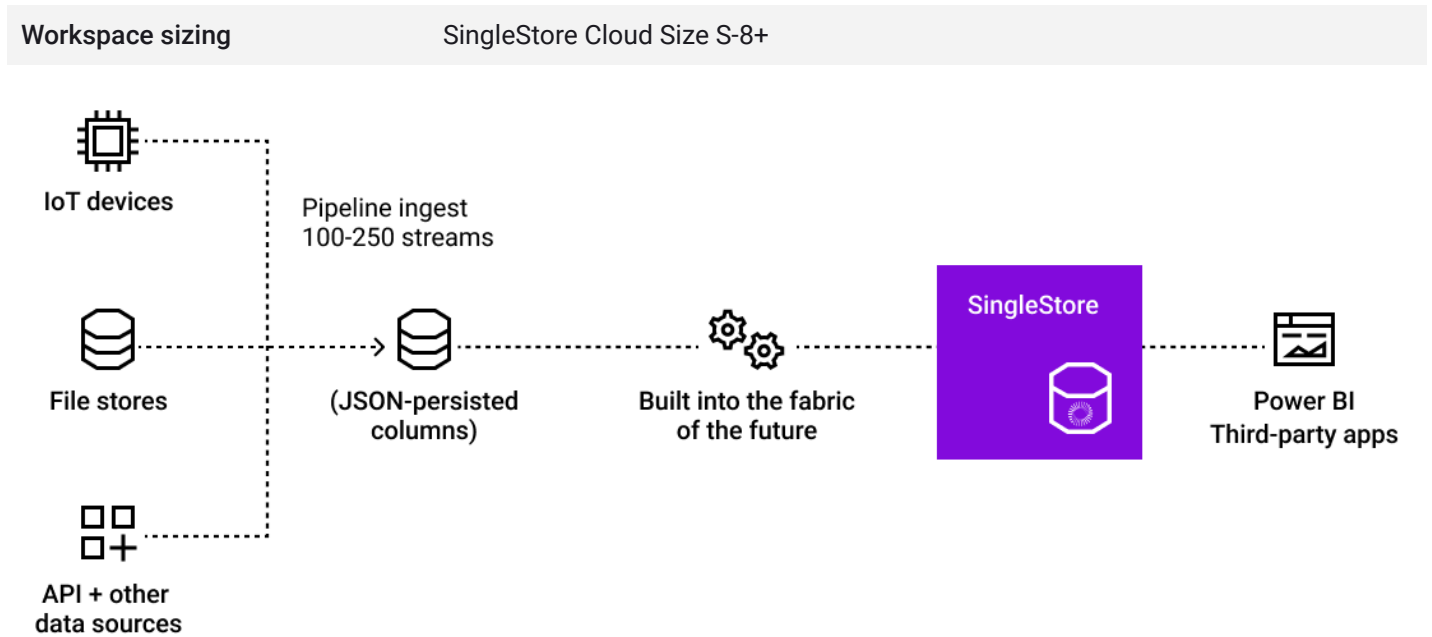
POV components

- List of resources required for the POV (Dropbox links, S3 buckets, workspace sizing, SingleStore org ID, cloud region for deployment, table DDLs, queries to be run, Github links, etc.)

- Producers → ingestion / tuning / scaling / integration → consumers

- Dependencies (create a list):

POV architecture (To-Be)

This architecture diagram represents a high-level look at what will be built for the POV:

Workspace sizing	SingleStore Cloud Size S-8+

POV collateral

A curated collection of links pertinent to the ongoing Proof of Value, comprising documents and resources encountered during the implementation phase, tailored to the specific context of the POV.

General setup

SingleStore Cloud on AWS Marketplace

Upgrade to developer support

Add users and assign RBAC

Create workspaces

Basic configurations

Workspaces

Create your first table in SingleStore

SingleStore private connectivity

SingleStore CLI

Load data/vectorize

Load data from popular sources with SingleStore Pipelines

Connect to workspace with your favorite tool