

# The migration checklist

This checklist provides eight critical steps to help data lake architects successfully migrate to the finalized cloud data lake. It discusses how Starburst can improve analytics operations throughout the data migration process.



## Build the Business Case for the Migration

- Prioritize and assess systems and data impact on the business
- Establish the processes for measuring performance and ROI gains
- Develop KPIs for the migration
- Establish baselines pre-migration to determine post-migration performance improvements
- Set the objectives and anticipated gains



## Initiate a Starburst Trial

- Determine which flavor of Starburst meets your requirements, Starburst Galaxy, a fully managed SaaS offering, or StarbEnterprise, self-hosted and self-manage
- Sustains data analytics operations during a migration
- Delivers access to data where it lives with no copying required
- Facilitates transfer and test protocols to ensure data integrity is not impacted by the migration
- Reduces migration costs and the total cost of ownership (TCO) of data analytics
- Seamlessly integrated with your cloud



## Training and Documentation

- Determine the process changes resulting from the move to the selected cloud platform(s) - AWS, Azure, or GCP
- Update and communicate documentation changes
- Set up training sessions to ensure all impacted users experience minimal productivity loss



## Maximize Data Value During and Post Migration

- Establish a thorough quality assurance process for testing migrated data
- Ensure data integrity and system performance before roll-out
- If using a Data Mesh strategy, set up a Data Mesh layer to access data where it resides currently and in the future state
- Optimize the cloud data lake resources for ROI-driven performance gains



## Explore, Inventory, and Back Up the Data

- Assess and prioritize systems and data to minimize business impact
- Align migration timing and critical business processes
- Map the architecture of your data and data stores, and establish your requirements
- Plan to migrate with lower-value data first to reduce risk to business operations
- Establish a governance plan to ensure compliance with PII, PHI, and PCI regulations
- Back up the data and set a restoration plan



## Capture Stakeholder Buy-In

- Identify and engage all stakeholders across the enterprise
- Coordinate migration planning based on the objectives and impact on each department/business unit
- Prioritize planning around high-value, data-rich systems, and departments
- Assess and minimize the impact on users



## Mitigate Service Disruptions

- Schedule targeted data set migrations during times of low utilization
- Maintain data on source systems
- Anticipate disruptions and proactively reach out to impacted users



## Solicit Stakeholder Feedback

- With each functional dataset migration, ensure stakeholders report on their experiences and adjust as needed
- Determine the next steps for performance and business intelligence gains