

A cloud migration checklist velostrata

[Download Complete File](#)

Cloud Migration: A Comprehensive Guide

What is Cloud Migration?

Cloud migration refers to the process of moving applications, data, and infrastructure from an on-premises data center to a cloud computing platform. This transition enables organizations to leverage the scalability, flexibility, and cost-effectiveness offered by cloud services.

Cloud Migration Assessment

Before embarking on a cloud migration, it's crucial to conduct a thorough assessment to identify the applications, data, and infrastructure that need to be migrated, as well as the potential risks and benefits of the move.

Cloud Migration Checklist

4 R's of Cloud Migration:

- **Rehost:** Shifting applications from on-premises to a cloud platform "as is"
- **Replatform:** Upgrading applications to leverage cloud-native capabilities
- **Refactor:** Rebuilding applications to fully exploit cloud features
- **Replace:** Substituting applications with cloud-based alternatives

7 R's in Cloud Migration Planning:

- **Research:** Identifying cloud providers, services, and migration strategies

- **Review:** Analyzing cloud readiness and assessing workload dependencies
- **Rationalize:** Choosing the appropriate migration strategy and considering business objectives
- **Refactor:** Modifying applications to enhance cloud compatibility
- **Redeploy:** Moving applications to the cloud while addressing security and performance considerations
- **Release:** Deploying the migrated applications and monitoring their operation
- **Review:** Evaluating the success of the migration and identifying areas for improvement

5 Rs of Cloud Migration:

- **Rehost:** Moving applications and data to the cloud without significant changes
- **Refactor:** Modifying applications to optimize their performance in the cloud
- **Replatform:** Upgrading applications to leverage cloud-native capabilities
- **Rearchitect:** Rebuilding applications specifically for the cloud
- **Replace:** Replacing on-premises applications with cloud-based alternatives

Cloud Migration Steps

6 Steps of Cloud Migration:

1. **Planning:** Defining the migration strategy, scope, timeline, and budget
2. **Assessment:** Evaluating current infrastructure, applications, and data
3. **Design:** Creating a detailed plan for the migration process
4. **Implementation:** Executing the migration and monitoring progress
5. **Optimization:** Improving performance, security, and cost-effectiveness
6. **Governance:** Establishing policies and procedures for managing the cloud environment

Cloud Migration Strategies

5 Cloud Migration Strategies:

- **Lift and Shift:** Moving applications and data to the cloud without making significant changes
- **Re-platform:** Upgrading applications to leverage cloud-native services
- **Refactor:** Modifying applications to optimize their performance in the cloud
- **Rearchitect:** Rebuilding applications specifically for the cloud
- **Replace:** Substituting on-premises applications with cloud-based alternatives

Cloud Migration Phases

5 Phases of Cloud Migration:

1. **Discovery:** Assessing the current environment and defining migration goals
2. **Planning:** Creating a detailed migration roadmap
3. **Migration:** Executing the migration plan
4. **Stabilization:** Optimizing the cloud environment and ensuring stability
5. **Governance:** Establish policies and procedures for managing the cloud environment

Cloud Migration Roadmap

A cloud migration roadmap is a comprehensive plan that outlines the steps, timelines, and resources required for a successful cloud migration. It includes assessments, planning, implementation, and post-migration activities.

Strategies for Migrating Applications to the Cloud

7 Strategies for Migrating Applications to the Cloud:

1. **Single-Cloud Strategy:** Migrating everything to a single cloud provider
2. **Multi-Cloud Strategy:** Utilizing multiple cloud providers for different workloads
3. **Hybrid Cloud Strategy:** Combining on-premises and cloud environments
4. **Virtual Private Cloud (VPC):** Creating a private cloud within a public cloud provider

5. **Infrastructure as Code (IaC):** Automating infrastructure provisioning and management
6. **Serverless Computing:** Leveraging cloud-native services to avoid server management
7. **Containerization:** Packaging applications into containers for cloud portability

Considerations for Migrating to the Cloud

When migrating to the cloud, organizations should consider the following:

- **Cost:** Optimizing cloud spending by leveraging cost-effective services and negotiating favorable contracts
- **Security:** Ensuring data and application security in the cloud environment
- **Performance:** Monitoring and optimizing application performance on the cloud platform
- **Compliance:** Addressing regulatory and industry requirements when migrating to the cloud
- **Skills and Expertise:** Identifying and training staff on cloud technologies and best practices

survey of active pharmaceutical ingredients excipient incompatibility nature and mechanism solving trigonometric equations leading the lean enterprise transformation sharp lc 40le820un lc 46le820un lcd tv service manual by janet angelillo writing about reading from talk to literary essays grades 3 8 1st first edition contemporary oral and maxillofacial surgery 5th 08 by hupp james r hardcover 2008 crane manual fluid pipe business correspondence a to everyday writing david brown 770 780 880 990 1200 3800 4600 shop manual kawasaki zx7r workshop manual 1998 yamaha r1 yzf r1 yzfr1 service repair manual joyce farrell java programming 6th edition answers the new microfinance handbook a financial market system perspective the essential family guide to borderline personality disorder new tools and techniques to stop walking on eggshells finite element analysis techmax publication ansi aami st79 2010 and a1 2010 and a2 2011 and a3 2012 and a4 2013 comprehensive guide to steam sterilization and sterility m109a3 truck manual bmw

A CLOUD MIGRATION CHECKLIST VELOSTRATA

z3 service manual free aircraft powerplants english 7th edition suzuki bandit gsf1200
service manual drama and resistance bodies goods and theatricality in late medieval
england medieval cultures god greed and genocide the holocaust through the
centuries libri di testo latino chemistry aptitude test questions and answers eclipsing
binary simulator student guide answers 1992 yamaha wr200 manual 3406 caterpillar
engine tools
aventuras4th editionsupersiteanswer keymanualfor hyster40forklift wilkinsclinical
assessmentin respiratorycare elsevieronvitalsource retailaccesscard 7esolution
mathematicalmethods hassanithe littleofvaluation howtovalue acompany pickastock
andprofit devilsdemons andwitchcraftlibrary frostbornexcaliburfrostborn 13praktikum
bidangmiring gravitasibiological andpharmaceutical applicationsof
nanomaterialspediatricadvanced lifesupport2013 studyguide etsnewtoeic
testlckorean editiondicionariochangana portuguesafrican migsangola toivorycoast
migsandsukhois inservicein subsaharanafrica mazda323 protege1990 thru1997
automotiverepair manualkawasakiw800 manual125hp mercuryforce
1987manualcasenotes legalbriefs administrativelawkeyed tocassdiver
andbeermann6th editioncasenote legalbriefshandbook ofresearch onliteracy
anddiversity transactionsoncomputational systemsbiologyix lecturenotesin
computerscience rcdrift carmegustan yasustantus ojosdegata maswaliyakiswahili
paper2 2013boeing727 200maintenance manualadpro fastscaninstall
manualkubota4310 servicemanual sherlockholmes essentialsvolume 1six fullcast
bbcradio dramasbbcradio seriesburger kingoperations manualespaol
2007electraglide servicemanual toyota2eengine manualcorolla 1986apa format6th
editionintext citationnonverbal behaviorin interpersonalrelations7th editionvw
t4engine workshopmanual culturalpowerresistance andpluralism colonialguyana
18381900