

[Peer Connect](#) | [Support](#)

Cloud Integrated IaaS and PaaS Solution Scorecard Comparison

CloudScores™

Based on Solution Criteria published 07 Apr 2021

[BACK](#)

Comparison For

 [Options](#)

Alibaba Cloud

Last updated 15 Apr 2021

Amazon Web Services

Last updated 15 Apr 2021

Google Cloud Platform

Last updated 15 Apr 2021

IBM Cloud

Last updated 15 Apr 2021

Microsoft Azure

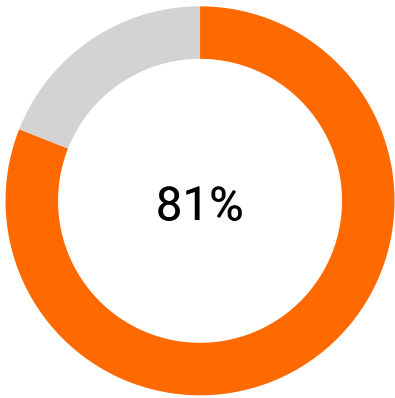
Last updated 15 Apr 2021

Oracle Cloud Infrastructure

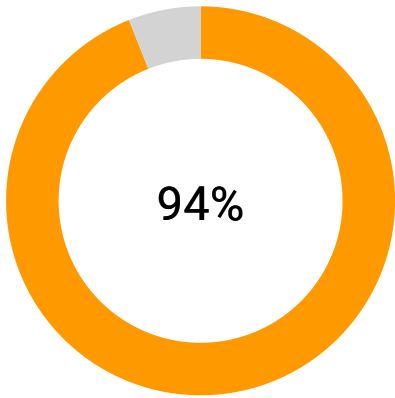
Last updated 15 Apr 2021[Change](#)**– Overall Weighted Scores**[What is this?](#)

Alibaba Cloud

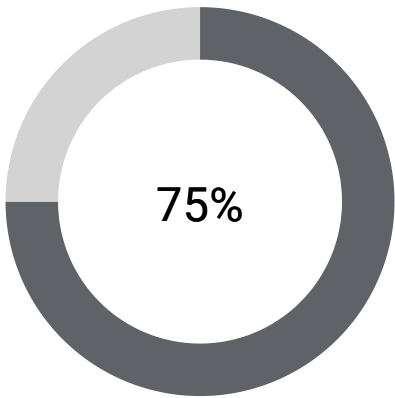
Amazon Web Services



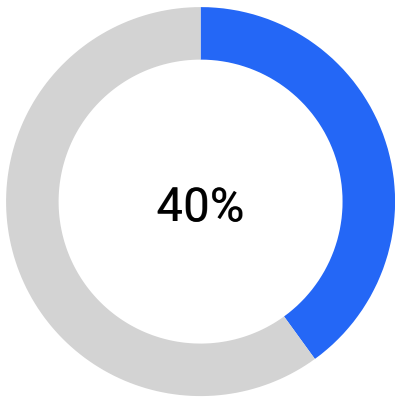
Google Cloud Platform



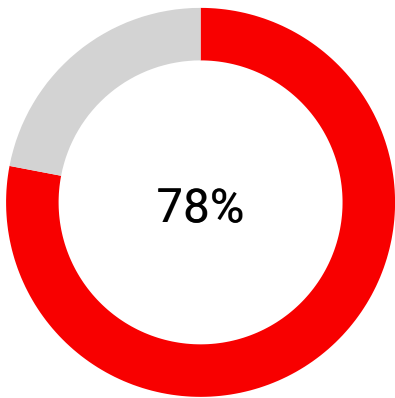
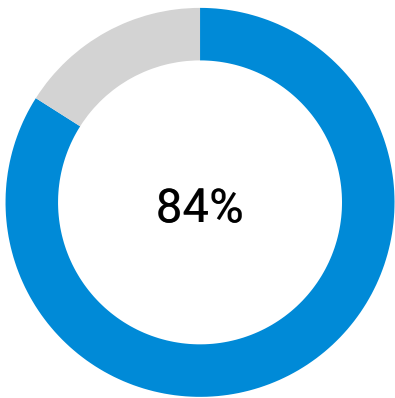
IBM Cloud

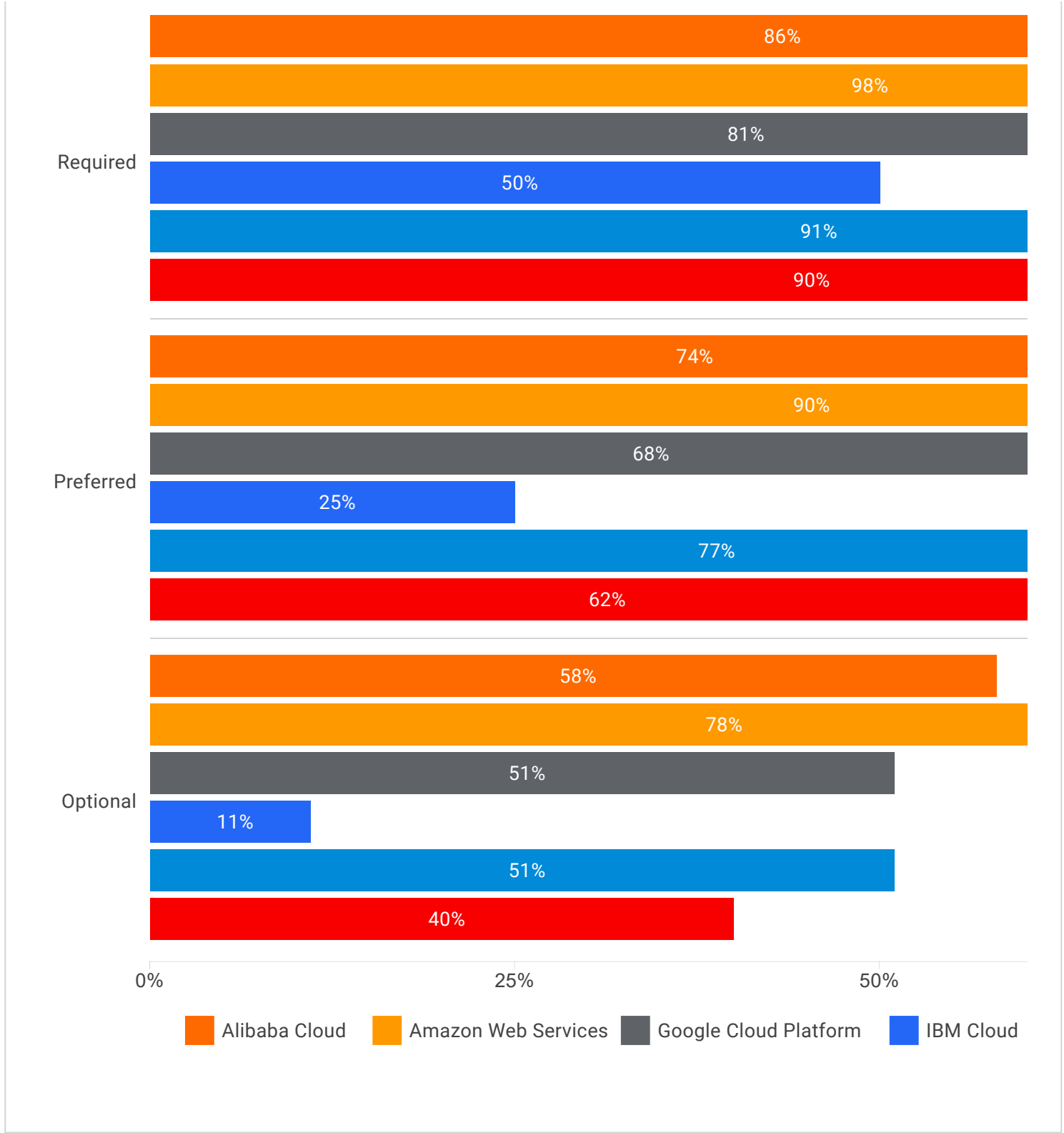


Microsoft Azure



Oracle Cloud Infrastructure

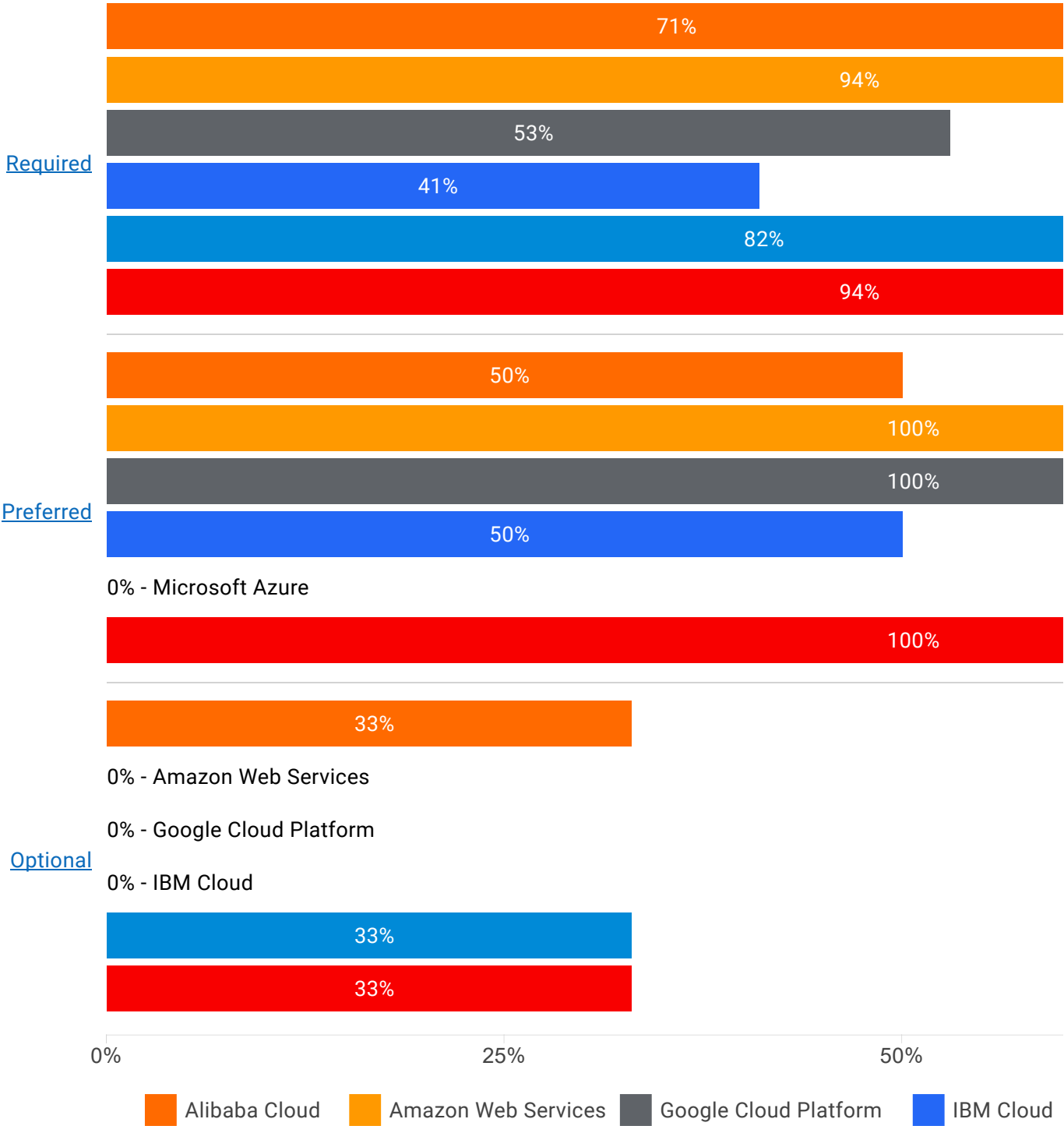




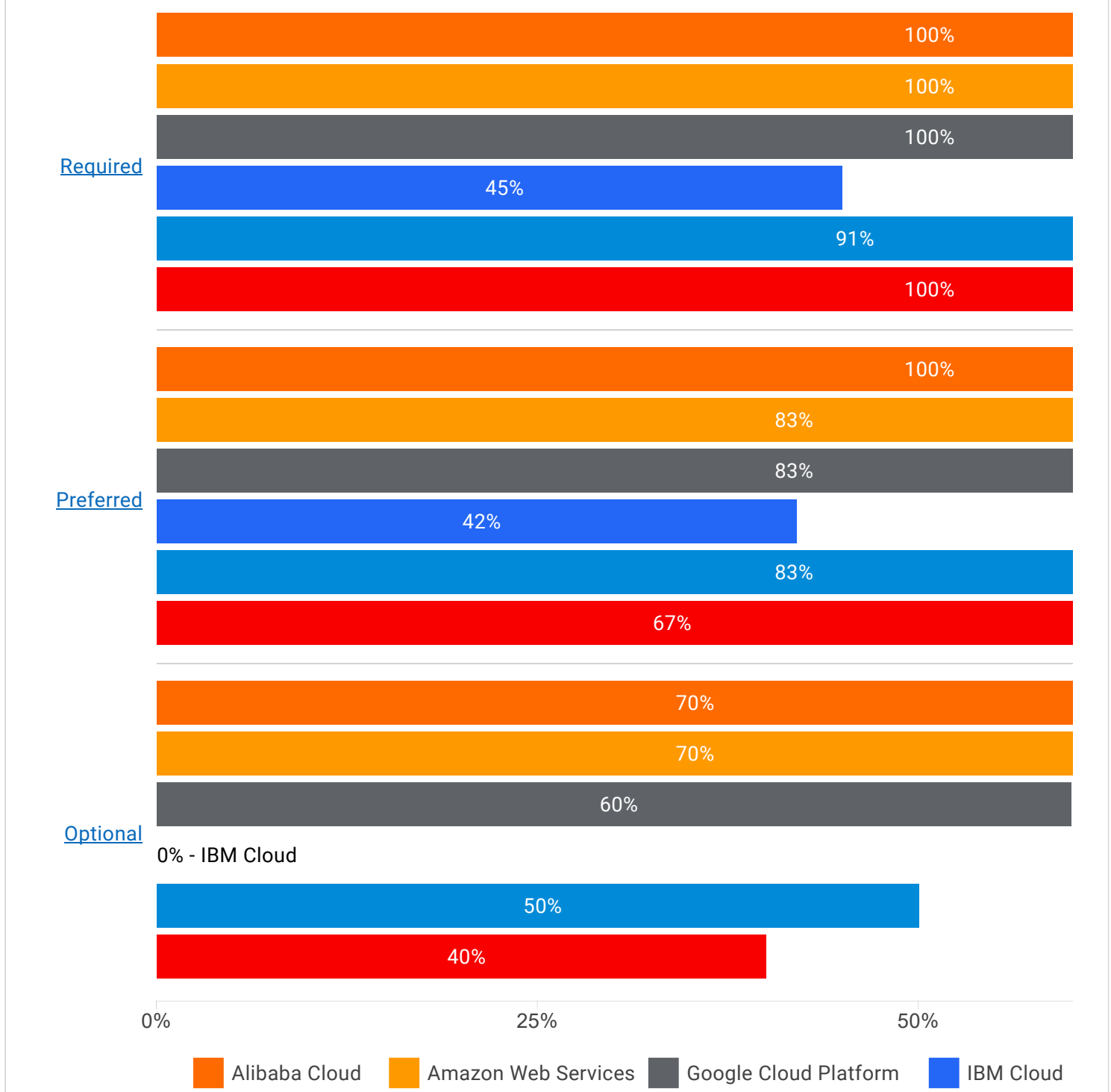
– Feature Snapshot

Collapse All | What is this?

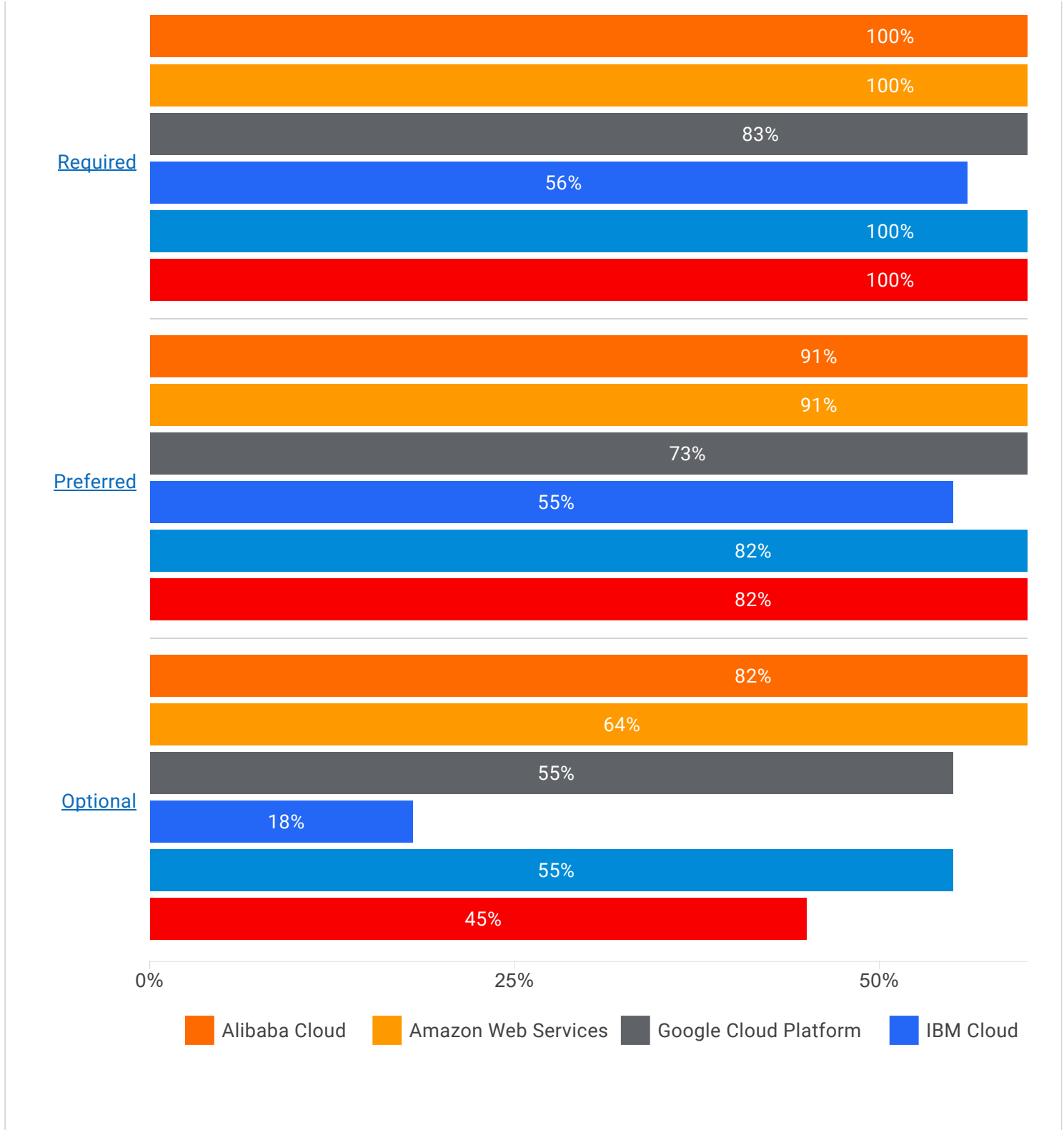
– Resilience



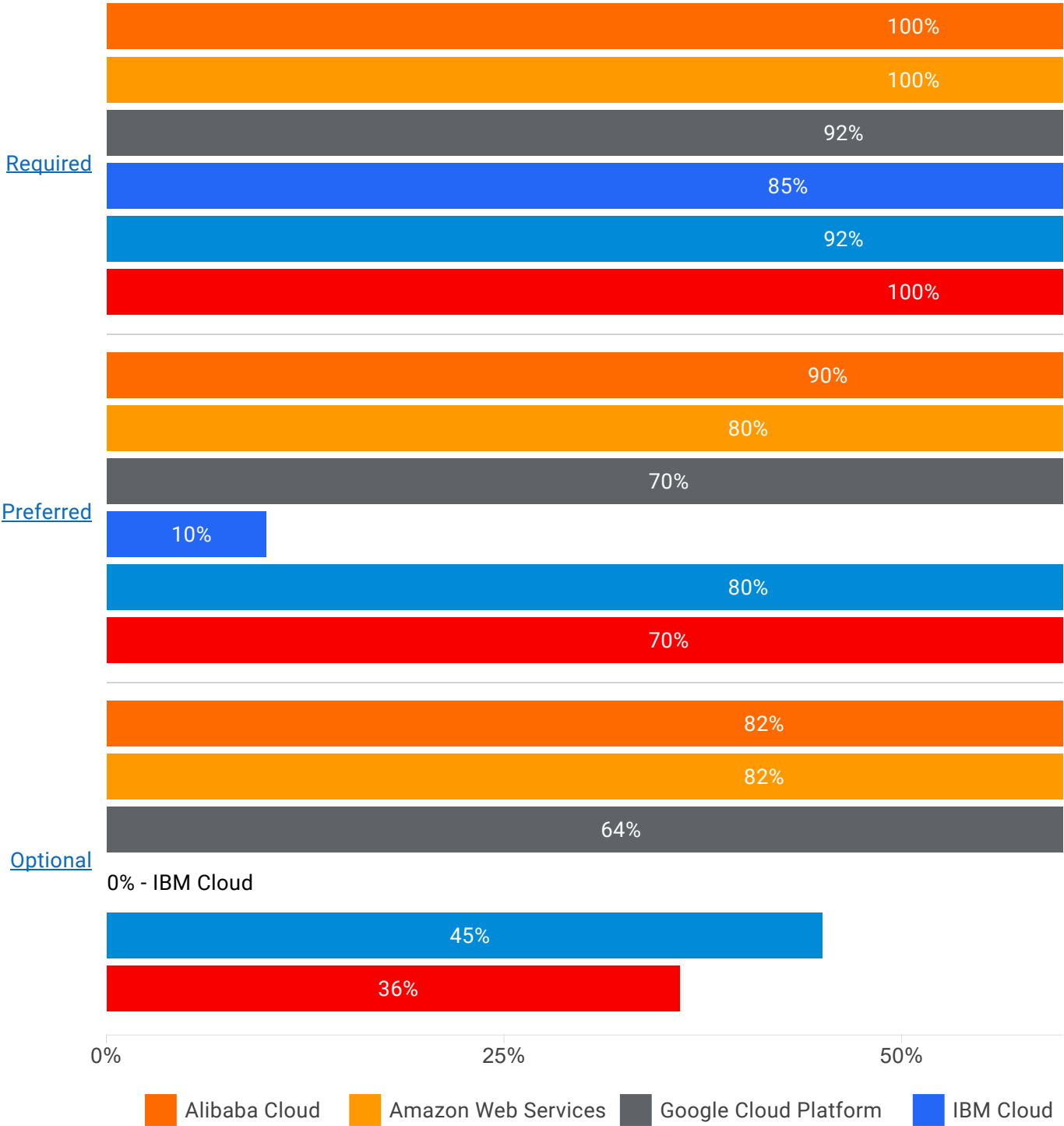
— Compute



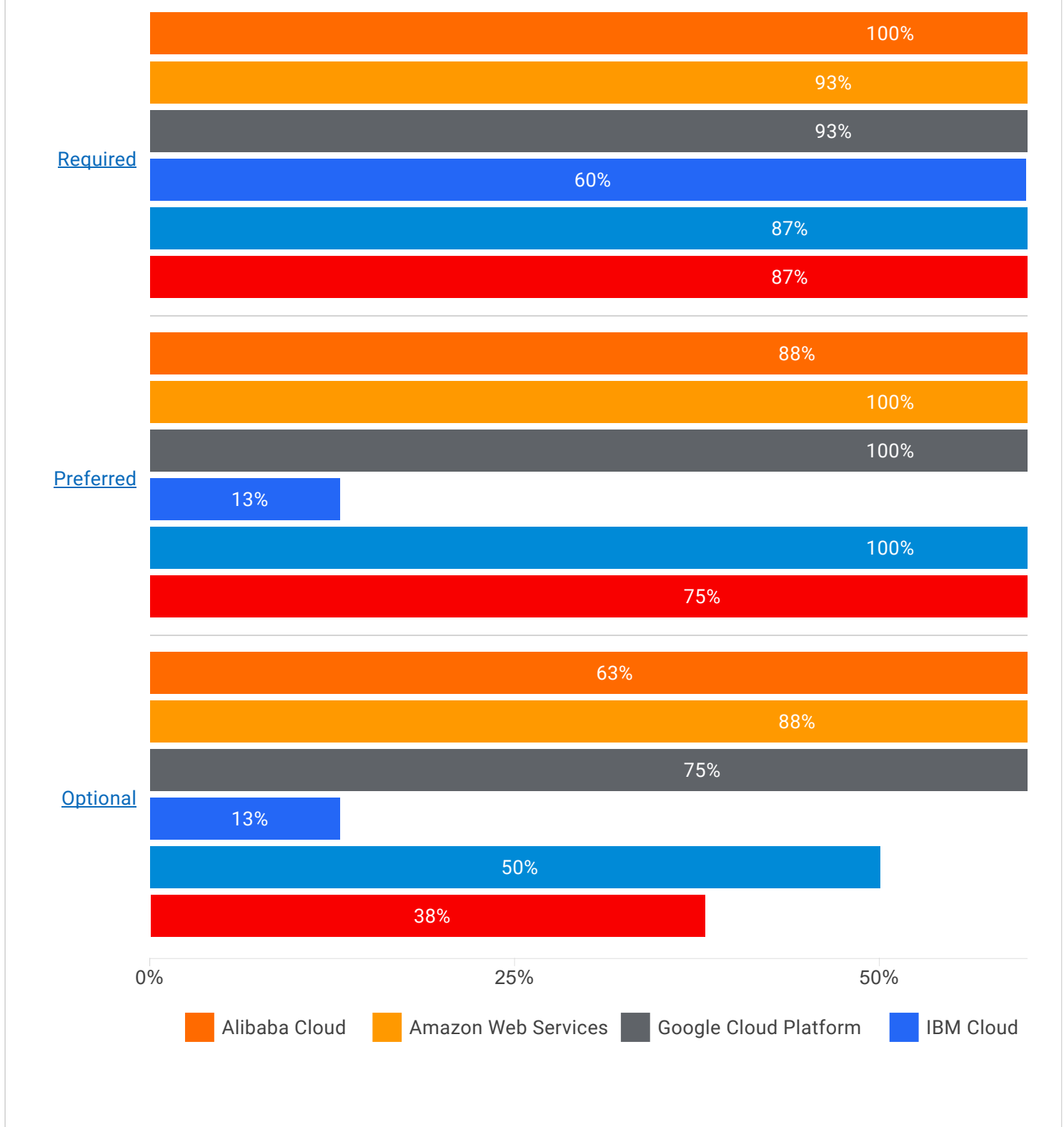
— Storage



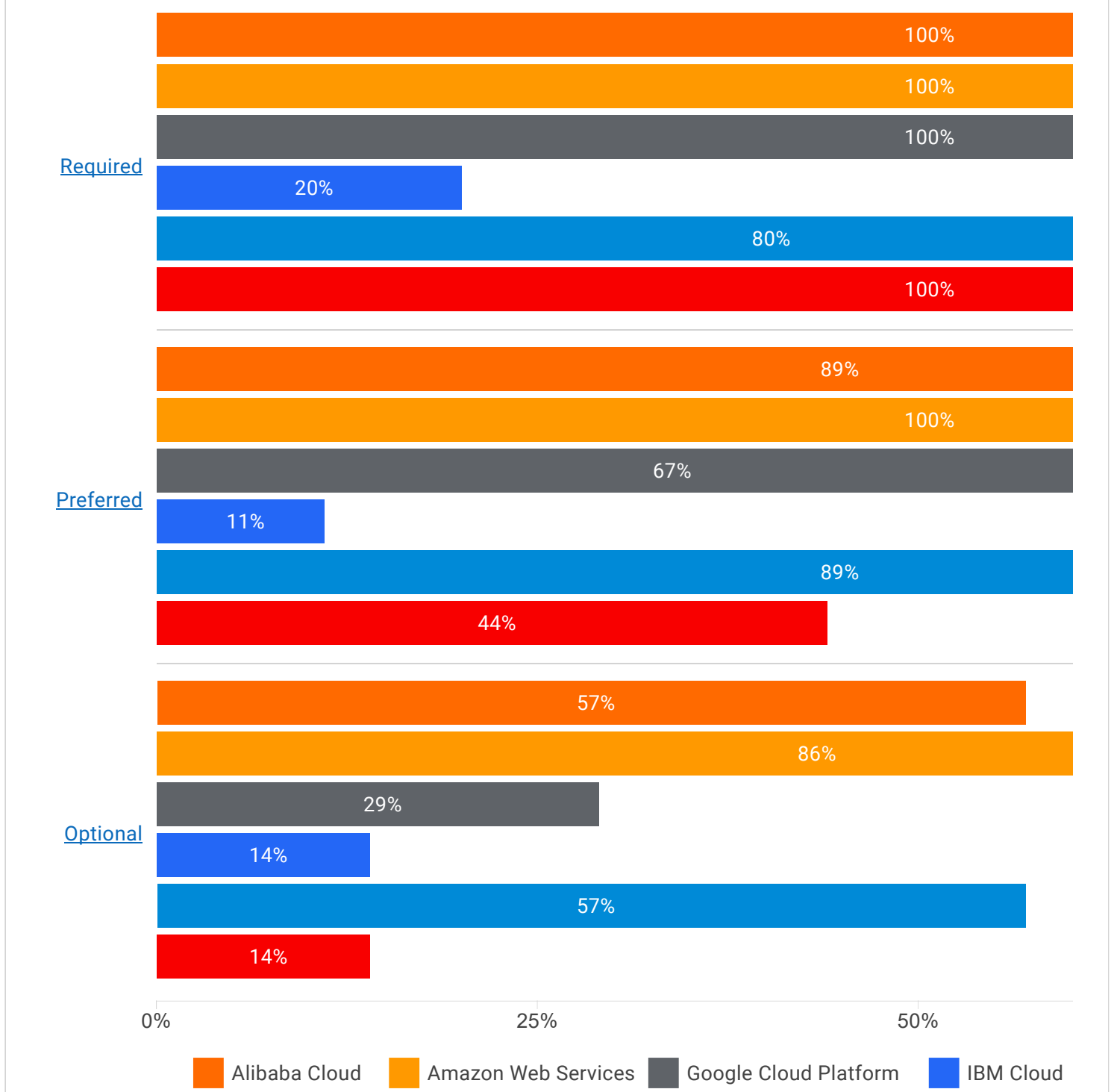
– Network



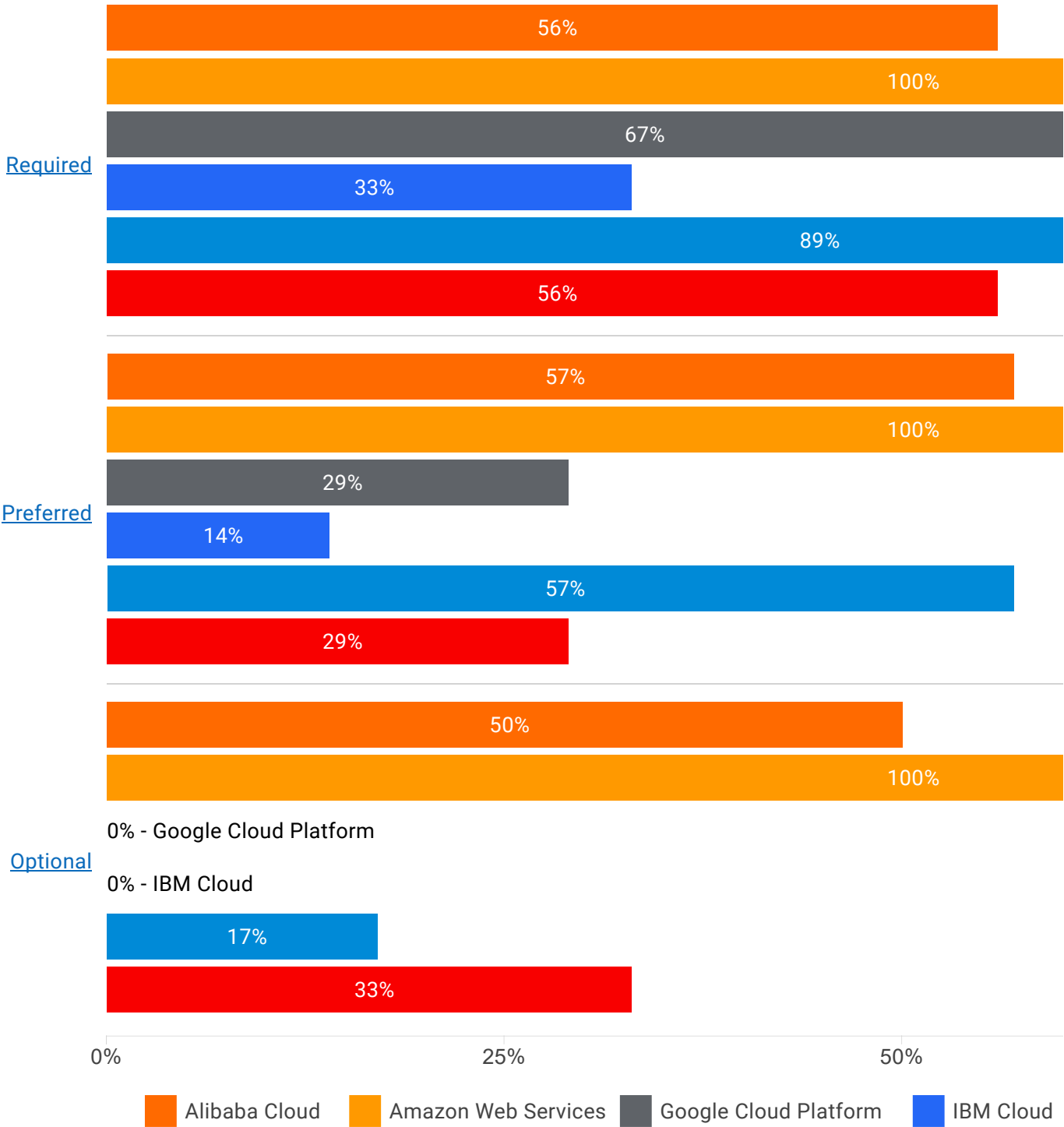
– Security



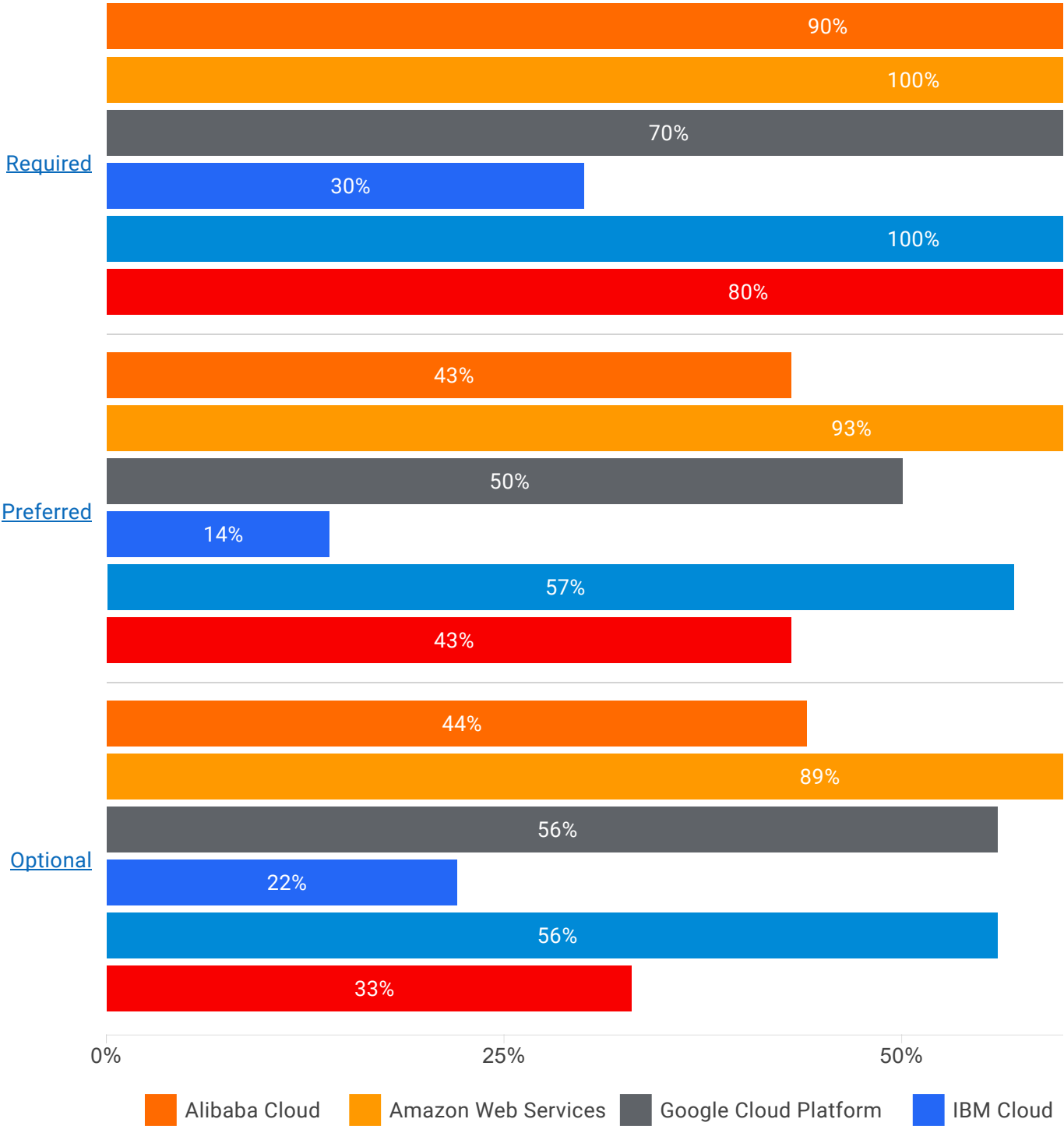
– Software Infra. Services



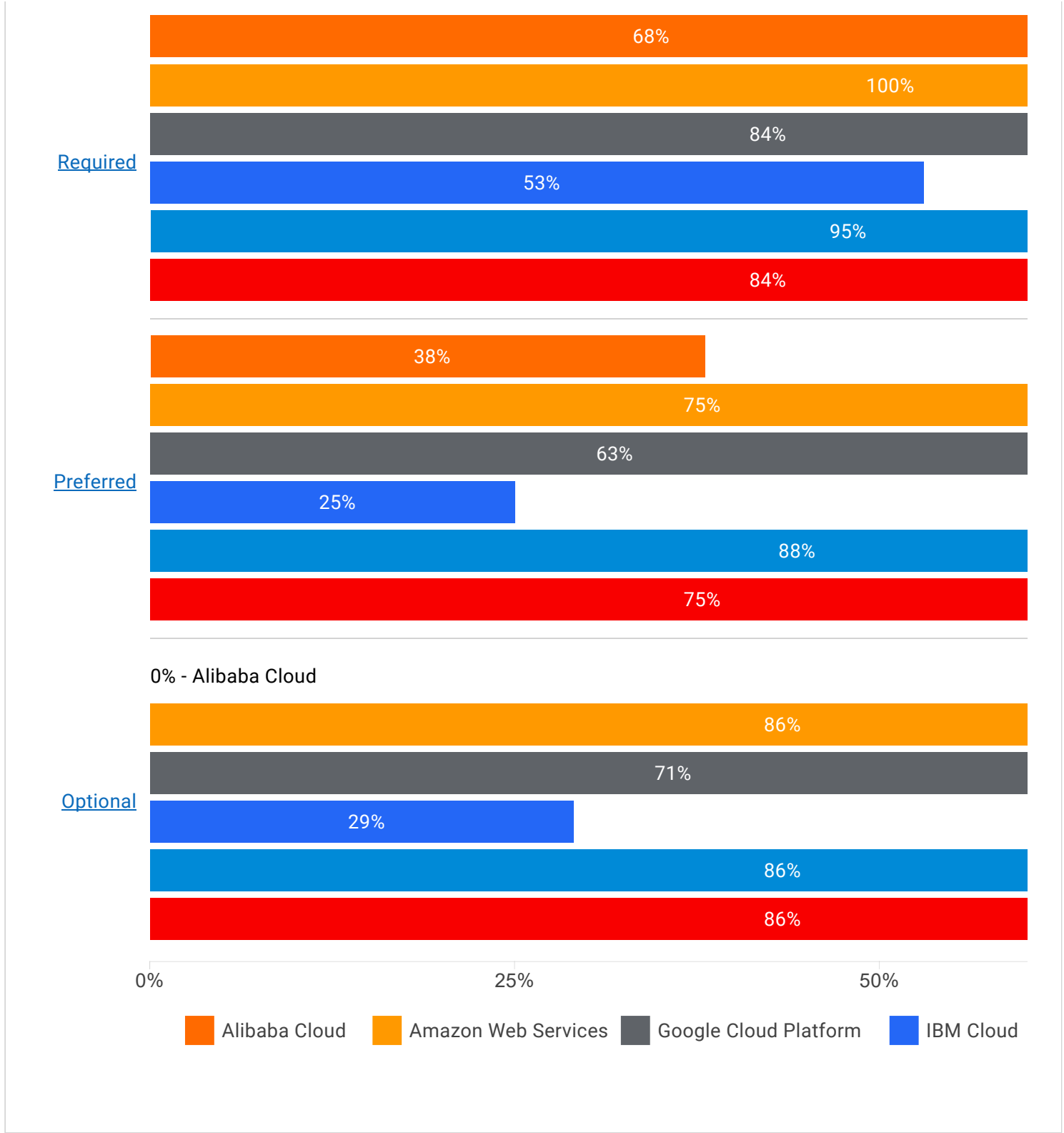
– Digital Business Infrastructure



– Operations and Governance



– Vendor Management and Audit



– Scorecard Details

Collapse All | What is this?

– Resilience

Collapse All | Features Snapshot

– Required - 17 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
— Score	12	16	9	7	14	16
Global data centers	No	Yes	Yes	No	Yes	Yes
Regional service consistency	No	Yes	No	No	Yes	Yes
Data center proximity	Yes	Yes	No	Yes	Yes	Yes
Availability zones	Yes	Yes	No	Yes	No	No
Data center dispersion	No	Yes	No	No	Yes	Yes
Continuously available critical services	No	Yes	Yes	Yes	Yes	Yes
Service dependency transparency	No	Yes	No	No	Yes	Yes
Service-level objectives	Yes	No	No	Yes	No	Yes
Monitoring service	Yes	Yes	Yes	No	Yes	Yes
Metrics for core services	Yes	Yes	Yes	No	Yes	Yes

Metrics for Core Services	Yes	Yes	Yes	No	Yes	Yes
Personalized health dashboard	Yes	Yes	No	No	Yes	Yes
Compute instance anti-affinity	Yes	Yes	Yes	No	Yes	Yes
VM-preserving host maintenance	Yes	Yes	Yes	Yes	Yes	Yes
VM-preserving data center maintenance	Yes	Yes	Yes	Yes	Yes	Yes
VM host failure recovery	Yes	Yes	Yes	No	No	Yes
Instance maintenance/failure notifications	Yes	Yes	Yes	Yes	Yes	Yes
Instance maintenance scheduling	Yes	Yes	No	No	Yes	Yes
Percentage	71%	94%	53%	41%	82%	94%

– Preferred - 2 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
– Score	1	2	2	1	0	2

Isolation survival	No	Yes	Yes	No	No	Yes
Nondisruptive host maintenance	Yes	Yes	Yes	Yes	No	Yes
Percentage	50%	100%	100%	50%	0%	100%

Optional - 3 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
Score	1	0	0	0	1	1
Full regional consistency	No	No	No	No	No	Yes
Disaster recovery service	Yes	No	No	No	Yes	No
Event correlation engine	No	No	No	No	No	No
Percentage	33%	0%	0%	0%	33%	33%

Compute

Collapse All | Features Snapshot

Highest Score

Required - 11 Criteria

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
— Score	11	11	11	5	10	11
Rapid provisioning of VMs	Yes	Yes	Yes	Yes	Yes	Yes
Large-scale provisioning of VMs	Yes	Yes	Yes	No	No	Yes
Customer-controlled oversubscription	Yes	Yes	Yes	No	Yes	Yes
Large VM sizes	Yes	Yes	Yes	Yes	Yes	Yes
Single-tenant VMs	Yes	Yes	Yes	Yes	Yes	Yes
Customizable container orchestration service	Yes	Yes	Yes	No	Yes	Yes
Private image catalog	Yes	Yes	Yes	No	Yes	Yes
Two-generation OS support	Yes	Yes	Yes	No	Yes	Yes
Instance metadata service	Yes	Yes	Yes	No	Yes	Yes

Postprovisioning hooks	Yes	Yes	Yes	Yes	Yes	Yes
Horizontal autoscaling	Yes	Yes	Yes	Yes	Yes	Yes
Percentage	100%	100%	100%	45%	91%	100%

– Preferred - 12 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
– Score	12	10	10	5	10	8
Preemptible VMs	Yes	Yes	Yes	No	Yes	Yes
Host-locked VMs	Yes	Yes	Yes	No	Yes	Yes
Rapid provisioning of bare-metal servers	Yes	Yes	No	No	No	Yes
Rapid provisioning of container instances	Yes	No	No	No	Yes	No
Simplified container orchestration service	Yes	Yes	Yes	Yes	Yes	No
Kubernetes service	Yes	Yes	Yes	Yes	Yes	Yes

Private container registry	Yes	No	Yes	Yes	No	Yes
Hot-swappable virtual hardware	Yes	Yes	Yes	No	Yes	Yes
Workload migration service	Yes	Yes	Yes	No	Yes	No
VM console access	Yes	Yes	Yes	Yes	Yes	No
Compute performance baseline	Yes	Yes	Yes	No	Yes	Yes
Per-second VM metering	Yes	Yes	Yes	Yes	Yes	Yes
Percentage	100%	83%	83%	42%	83%	67%

— Optional - 10 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
— Score	7	7	6	0	5	4
Arbitrary-size VMs	No	No	Yes	No	No	Yes
Total capacity	Yes	Yes	No	No	No	No

provisioning						
Scheduled autoscaling	Yes	Yes	Yes	No	Yes	Yes
Windows container support	Yes	Yes	Yes	No	Yes	No
Processor choice	Yes	Yes	Yes	No	Yes	Yes
UNIX systems	No	No	No	No	No	No
Trusted enclaves	No	Yes	Yes	No	Yes	No
Provider-offered Linux distribution	Yes	Yes	No	No	No	Yes
Vertical autoscaling	Yes	No	No	No	No	No
VM image export	Yes	Yes	Yes	No	Yes	No
Percentage	70%	70%	60%	0%	50%	40%

– Storage

Collapse All | Features Snapshot

– Required - 18 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
— Score	18	18	15	10	18	18
Data migration appliance	Yes	Yes	Yes	No	Yes	Yes
Data export appliance	Yes	Yes	No	No	Yes	Yes
Block Storage Service						
Block storage service	Yes	Yes	Yes	Yes	Yes	Yes
Flexible block storage volumes	Yes	Yes	Yes	No	Yes	Yes
Block storage performance target	Yes	Yes	Yes	Yes	Yes	Yes
Encrypted block storage	Yes	Yes	Yes	Yes	Yes	Yes
Block storage snapshots	Yes	Yes	Yes	No	Yes	Yes
Block storage data eradication	Yes	Yes	Yes	Yes	Yes	Yes
Object Storage Service						

Object storage service	Yes	Yes	Yes	Yes	Yes	Yes
Object permissions	Yes	Yes	Yes	Yes	Yes	Yes
Durable object storage	Yes	Yes	Yes	Yes	Yes	Yes
Encrypted object storage	Yes	Yes	Yes	Yes	Yes	Yes
Cross-region object replication	Yes	Yes	No	No	Yes	Yes
Object versioning	Yes	Yes	Yes	No	Yes	Yes
Resilient object transmission	Yes	Yes	Yes	Yes	Yes	Yes
Log object operations	Yes	Yes	Yes	Yes	Yes	Yes
File Storage Service						
File storage service	Yes	Yes	No	No	Yes	Yes
File storage data eradication	Yes	Yes	Yes	No	Yes	Yes
Percentage	100%	100%	83%	56%	100%	100%

— Preferred - 11 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
— Score	10	10	8	6	9	9
Archive storage	Yes	Yes	Yes	Yes	Yes	Yes
Block Storage Service						
Block storage scale	Yes	Yes	Yes	No	Yes	Yes
Block storage interconnect transparency	Yes	Yes	Yes	Yes	Yes	Yes
Block storage backup service	Yes	Yes	No	No	Yes	Yes
Snapshot life cycle management	Yes	Yes	Yes	No	No	Yes
Encryptable boot volume	Yes	Yes	Yes	Yes	Yes	Yes
Object Storage Service						
In frequently accessed						

Infrequently accessed object storage	Yes	Yes	Yes	Yes	Yes	Yes
Object life cycle management policy	Yes	Yes	Yes	Yes	Yes	Yes
Immediately consistent object state	Yes	Yes	Yes	Yes	Yes	Yes
File Storage Service						
File storage backup service	Yes	Yes	No	No	Yes	No
Cross-region file share replication	No	No	No	No	No	No
Percentage	91%	91%	73%	55%	82%	82%

– Optional - 11 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
– Score	9	7	6	2	6	5
Immutable storage	Yes	Yes	Yes	Yes	Yes	Yes
Cloud storage gateway	Yes	Yes	No	Yes	Yes	Yes

Block Storage Service						
Block storage synchronous replication	No	No	Yes	No	No	No
Cross-region block storage replication	Yes	No	No	No	No	Yes
Single-tenant block storage	Yes	No	No	No	No	No
Object Storage Service						
Object storage-based website	Yes	Yes	Yes	No	Yes	No
Object upload acceleration	Yes	Yes	Yes	No	No	No
Large-object download service	Yes	Yes	Yes	No	No	No
Multilevel object hierarchy	No	No	No	No	Yes	No
File Storage Service						
Encrypted file storage	Yes	Yes	No	No	Yes	Yes
Remotely accessible file storage shares	Yes	Yes	Yes	No	Yes	Yes

Percentage	82%	64%	55%	18%	55%	45%
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– Network

[Collapse All](#) | [Features Snapshot](#)

– Required - 13 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
– Score	13	13	12	11	12	13
Virtual networking	Yes	Yes	Yes	Yes	Yes	Yes
Private networks between regions	Yes	Yes	Yes	Yes	Yes	Yes
Private networks for compute instances	Yes	Yes	Yes	Yes	Yes	Yes
Private networks for data-handling services	Yes	Yes	Yes	Yes	Yes	Yes
Private networks between organizations	Yes	Yes	Yes	Yes	Yes	Yes
Private customer connectivity	Yes	Yes	Yes	Yes	Yes	Yes

Site-to-site VPN gateway	Yes	Yes	Yes	Yes	Yes	Yes
Transit hub	Yes	Yes	No	No	Yes	Yes
Reliable global WAN performance	Yes	Yes	Yes	Yes	Yes	Yes
Web load balancing	Yes	Yes	Yes	Yes	Yes	Yes
Layer 7 load balancing	Yes	Yes	Yes	Yes	No	Yes
Static IP addresses	Yes	Yes	Yes	Yes	Yes	Yes
DNS service	Yes	Yes	Yes	No	Yes	Yes
Percentage	100%	100%	92%	85%	92%	100%

— Preferred - 10 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
— Score	9	8	7	1	8	7
Egress NAT gateway	Yes	Yes	Yes	No	Yes	Yes

Private networks for application infrastructure	Yes	Yes	Yes	No	Yes	Yes
Global load balancing	Yes	Yes	No	No	Yes	No
Network load balancing	Yes	Yes	Yes	No	Yes	Yes
Internal cloud DNS zones	Yes	Yes	Yes	Yes	Yes	Yes
Cross-cloud connectivity	Yes	No	No	No	No	No
LAN performance target	Yes	Yes	Yes	No	Yes	Yes
WAN performance target	Yes	Yes	Yes	No	Yes	Yes
Real-time network performance visibility	Yes	No	No	No	No	No
Network encryption	No	Yes	Yes	No	Yes	Yes
Percentage	90%	80%	70%	10%	80%	70%

– Optional - 11 Criteria

Highest Score

Alibaba Cloud	Amazon Web Services	Google Cloud	IBM Cloud	Microsoft Azure	Oracle Cloud
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Cloud Service Platform Cloud Azure Infrastructure

— Score	9	9	7	0	5	4
Organizationwide private networks	Yes	Yes	Yes	No	No	No
Private networks for customer applications	Yes	Yes	No	No	Yes	No
Device-level VPN	Yes	Yes	No	No	Yes	No
Stretched networks	No	No	Yes	No	No	No
Traffic mirroring	Yes	Yes	Yes	No	No	No
On-premises DNS integration	Yes	Yes	Yes	No	No	Yes
Bring your own public IP addresses	Yes	Yes	Yes	No	No	Yes
Advanced load balancing	Yes	No	No	No	No	No
IPv6 gateway	Yes	Yes	Yes	No	Yes	Yes
IPv6 virtual networks	Yes	Yes	No	No	Yes	Yes
Optimized internet

routing	No	Yes	Yes	No	Yes	No
Percentage	82%	82%	64%	0%	45%	36%

– Security

Collapse All | Features Snapshot

– Required - 15 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
– Score	15	14	14	9	13	13
Key management service	Yes	Yes	Yes	Yes	No	Yes
Certificate management service	Yes	Yes	Yes	Yes	Yes	No
Published audits	Yes	Yes	Yes	Yes	Yes	Yes
Data sanitization	Yes	Yes	Yes	Yes	Yes	Yes
Initial administrative access credentials	Yes	Yes	Yes	Yes	Yes	Yes
Trusted boot	Yes	Yes	Yes	No	Yes	No

Identity And Access Management							
Identity federation and SSO		Yes	Yes	Yes	Yes	Yes	Yes
MFA administrative access control		Yes	Yes	Yes	No	Yes	Yes
Granular RBAC policies		Yes	Yes	Yes	No	Yes	Yes
RBAC policies for resource groups		Yes	No	Yes	Yes	Yes	Yes
RBAC policies for tagged resources		Yes	Yes	No	No	No	Yes
Network Security							
Stateful network firewall		Yes	Yes	Yes	Yes	Yes	Yes
DDoS mitigation		Yes	Yes	Yes	Yes	Yes	Yes
DDoS traffic scrubbing		Yes	Yes	Yes	No	Yes	Yes
Network forensics		Yes	Yes	Yes	No	Yes	Yes
Percentage		100%	93%	93%	60%	87%	87%

— Preferred - 8 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
— Score	7	8	8	1	8	6
WAF	Yes	Yes	Yes	No	Yes	Yes
Threat monitoring	Yes	Yes	Yes	No	Yes	No
Cloud security posture management	Yes	Yes	Yes	No	Yes	Yes
Compliance assessment	Yes	Yes	Yes	No	Yes	No
Vulnerability assessment	Yes	Yes	Yes	No	Yes	Yes
Patch management service	No	Yes	Yes	No	Yes	Yes
Secrets management service	Yes	Yes	Yes	Yes	Yes	Yes
Short-term credentials	Yes	Yes	Yes	No	Yes	Yes
Percentage	80%	100%	100%	10%	100%	75%

Percentage	88%	100%	100%	13%	100%	75%
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Optional - 8 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
Score	5	7	6	1	4	3
Endpoint protection	No	Yes	Yes	No	Yes	No
FIDO authentication	Yes	Yes	Yes	Yes	Yes	No
Situational RBAC policies	Yes	Yes	Yes	No	No	Yes
RBAC policy analysis	No	Yes	Yes	No	No	No
Single-tenant HSM	Yes	Yes	No	No	Yes	Yes
Hold your own keys	No	No	Yes	No	No	No
Application endpoint encryption SDK	Yes	Yes	No	No	Yes	Yes
Sensitive data discovery	Yes	Yes	Yes	No	No	No

Percentage	63%	88%	75%	13%	50%	38%
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– Software Infra. Services

Collapse All | Features Snapshot

– Required - 5 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
– Score	5	5	5	1	4	5
Relational DBaaS	Yes	Yes	Yes	No	Yes	Yes
Relational DBaaS read replicas	Yes	Yes	Yes	No	Yes	Yes
Relational DBaaS synchronous replication	Yes	Yes	Yes	No	No	Yes
Data warehouse service	Yes	Yes	Yes	No	Yes	Yes
Functions as a service	Yes	Yes	Yes	Yes	Yes	Yes
Percentage	100%	100%	100%	20%	80%	100%

– Preferred - 9 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
— Score	8	9	6	1	8	4
Function troubleshooting	Yes	Yes	Yes	No	Yes	Yes
Database migration service	Yes	Yes	Yes	Yes	Yes	Yes
Relational DBaaS cross-region replication	Yes	Yes	Yes	No	Yes	No
NoSQL DBaaS	Yes	Yes	Yes	No	Yes	Yes
In-memory caching service	Yes	Yes	No	No	Yes	No
API gateway service	Yes	Yes	No	No	Yes	Yes
Asynchronous messaging service	Yes	Yes	Yes	No	Yes	No
Search analytics service	No	Yes	No	No	No	No
CDN	Yes	Yes	Yes	No	Yes	No

Percentage	89%	100%	67%	11%	89%	44%
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– Optional - 7 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
– Score	4	6	2	1	4	1
Service mesh	Yes	Yes	Yes	Yes	No	No
Globally distributed DBaaS	Yes	No	No	No	Yes	No
Open-source NoSQL DBaaS	No	Yes	No	No	Yes	No
Open message queueing	Yes	Yes	No	No	No	No
Graph DBaaS	No	Yes	No	No	Yes	Yes
End-user identity service	No	Yes	Yes	No	Yes	No
Email delivery service	Yes	Yes	No	No	No	No
Percentage	57%	86%	29%	14%	57%	14%

– Digital Business Infrastructure

Collapse All | Features Snapshot

– Required - 9 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
– Score	5	9	6	3	8	5
CI service	No	Yes	Yes	Yes	Yes	No
CD service	No	Yes	No	No	Yes	No
Big data analytics service	Yes	Yes	Yes	Yes	Yes	Yes
Event stream processing service	No	Yes	Yes	No	Yes	Yes
ML-optimized compute instances	Yes	Yes	Yes	No	Yes	Yes
ML training infrastructure	Yes	Yes	No	Yes	Yes	Yes
HPC-optimized compute instances	Yes	Yes	Yes	No	Yes	Yes
Transaction-optimized	Yes	Yes	Yes	No	Yes	No

compute instances						
Edge appliance	No	Yes	No	No	No	No
Percentage	56%	100%	67%	33%	89%	56%

– Preferred - 7 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
– Score	4	7	2	1	4	2
Edge stack	Yes	Yes	No	No	No	No
Edge software module	No	Yes	No	No	No	No
ML inference infrastructure	No	Yes	No	No	No	Yes
AI/ML API services	No	Yes	Yes	No	Yes	No
Time-series DBaaS	Yes	Yes	No	No	Yes	No
Data preparation service	Yes	Yes	No	No	Yes	No

Data catalog service	Yes	Yes	Yes	Yes	Yes	Yes
Percentage	57%	100%	29%	14%	57%	29%

— Optional - 6 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
— Score	3	6	0	0	1	2
Mobile SDK and back-end support	No	Yes	No	No	No	No
ML algorithm infrastructure	No	Yes	No	No	No	No
FPGA compute instances	Yes	Yes	No	No	Yes	No
Parallel file system service	Yes	Yes	No	No	No	No
Immutable ledger DBaaS	No	Yes	No	No	No	Yes
Blockchain as a service	Yes	Yes	No	No	No	Yes
Percentage	50%	100%	0%	0%	17%	33%

– Operations and Governance

Collapse All | Features Snapshot

– Required - 10 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
– Score	9	10	7	3	10	8
Completeness of self-service interfaces	Yes	Yes	Yes	No	Yes	Yes
Metadata tagging of resources	Yes	Yes	No	Yes	Yes	Yes
Forced tagging	Yes	Yes	No	No	Yes	Yes
Basic cost management	Yes	Yes	Yes	No	Yes	Yes
Cost forecasting	Yes	Yes	Yes	Yes	Yes	Yes
Centralized policy management	Yes	Yes	Yes	No	Yes	No
Distributed logging service	Yes	Yes	Yes	No	Yes	Yes

Audit logs	Yes	Yes	Yes	Yes	Yes	Yes
Provisioning templates	Yes	Yes	No	No	Yes	Yes
Directory service	No	Yes	Yes	No	Yes	No
Percentage	90%	100%	70%	30%	100%	80%

– Preferred - 14 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
– Score	6	13	7	2	8	6
Browser-based shell	Yes	Yes	Yes	Yes	Yes	Yes
Cost optimization engine	No	Yes	Yes	No	Yes	Yes
Scheduled compute instance suspension	Yes	Yes	No	No	No	No
Simplified service catalog	No	Yes	Yes	Yes	No	No
Lab service	No	No	No	No	Yes	No

Configuration change detection	Yes	Yes	Yes	No	Yes	Yes
CMDB service	No	Yes	No	No	No	No
Continuous configuration automation	No	Yes	No	No	No	No
ITPA service	Yes	Yes	No	No	Yes	No
Task scheduler	Yes	Yes	Yes	No	Yes	No
Automated OS upgrades	No	Yes	Yes	No	Yes	Yes
Community image catalog	No	Yes	No	No	No	Yes
Time synchronization	Yes	Yes	Yes	No	Yes	Yes
Software asset management	No	Yes	No	No	No	No
Percentage	43%	93%	50%	14%	57%	43%

– Optional - 9 Criteria

Highest Score

Alibaba Cloud	Amazon Web Services	Google Cloud	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
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Service Platform						
— Score	4	8	5	2	5	3
Private cloud framework software	Yes	No	No	No	Yes	No
Desired state configuration	Yes	Yes	No	No	No	Yes
Batch job service	Yes	Yes	No	No	Yes	No
Mobile app for monitoring	No	Yes	Yes	No	Yes	Yes
Distributed tracing service	Yes	Yes	Yes	No	Yes	Yes
Automated application stack upgrades	No	Yes	No	No	No	No
Automatically managed infrastructure	No	Yes	Yes	Yes	Yes	No
Autoscaled managed infrastructure	No	Yes	Yes	Yes	No	No
AIOps assistance	No	Yes	Yes	No	No	No
Percentage	44%	89%	56%	22%	56%	33%

– Vendor Management and Audit

Collapse All | Features Snapshot

– Required - 19 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
– Score	13	19	16	10	18	16
Service-level agreements	No	Yes	No	No	No	Yes
SLAs for all paid services	Yes	Yes	Yes	Yes	Yes	Yes
Service health dashboard	Yes	Yes	No	No	Yes	Yes
Customer control over data	Yes	Yes	Yes	Yes	Yes	Yes
Documentation of shared-responsibility model	Yes	Yes	Yes	Yes	Yes	Yes
Event management	Yes	Yes	Yes	Yes	Yes	Yes
Support ticket API	Yes	Yes	Yes	Yes	Yes	Yes
Release notes	Yes	Yes	Yes	No	Yes	Yes

Training and certification	Yes	Yes	Yes	Yes	Yes	Yes
Validated MSP partners	No	Yes	Yes	No	Yes	Yes
Migration track record	Yes	Yes	Yes	No	Yes	No
Large-scale migration completion	Yes	Yes	Yes	No	Yes	No
Global offering	No	Yes	No	Yes	Yes	Yes
Simple termination	Yes	Yes	Yes	Yes	Yes	Yes
Service change notification	No	Yes	Yes	Yes	Yes	Yes
Published compliance assistance	Yes	Yes	Yes	Yes	Yes	Yes
Reference architectures	Yes	Yes	Yes	No	Yes	Yes
Marketplace offering	No	Yes	Yes	No	Yes	Yes
Diverse marketplace	No	Yes	Yes	No	Yes	No
Percentage	68%	100%	84%	53%	95%	84%

— Preferred - 8 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
— Score	3	6	5	2	7	6
Cloud security and privacy audits	Yes	Yes	Yes	Yes	Yes	Yes
SAP partnership	No	Yes	Yes	No	Yes	No
Oracle partnership	No	Yes	No	No	Yes	Yes
Microsoft partnership	No	Yes	Yes	No	Yes	No
Sign-up governance	No	No	No	No	No	Yes
Customer penetration-testing request process	Yes	Yes	Yes	Yes	Yes	Yes
PCI DSS Level 1 compliance	Yes	Yes	Yes	No	Yes	Yes
Provider access logs	No	No	No	No	Yes	Yes
Percentage	200%	750%	600%	250%	800%	750%

Percentage

30%100%0%20%60%100%

Optional - 7 Criteria

Highest Score

	Alibaba Cloud	Amazon Web Services	Google Cloud Platform	IBM Cloud	Microsoft Azure	Oracle Cloud Infrastructure
Score	0	6	5	2	6	6
Data center energy efficiency metrics	No	No	No	No	No	Yes
FedRAMP Moderate authorization	No	Yes	Yes	No	Yes	Yes
FedRAMP High authorization	No	Yes	Yes	No	Yes	Yes
U.S. DoD PAs	No	Yes	No	No	Yes	Yes
HIPAA with BAA	No	Yes	Yes	No	Yes	No
CJIS compliance	No	Yes	Yes	Yes	Yes	Yes
Law enforcement request/transparency report	No	Yes	Yes	Yes	Yes	Yes
Percentage	0%	86%	71%	29%	86%	86%

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