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BENCHMARK | TRIGGERS | OPTIONS | PLAN | RESOURCES

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JD EDWARDS IN THE CLOUD

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What are your peers doing?

In a survey of the Oracle Applications User Group (OAUG), 35% percent rely on hosted solutions, defined as dedicated applications managed by a third party, often off-site .

Private clouds follow at 29 %, while 17 % use public cloud services. That means:

55% of OAUG survey respondents subscribe to...

AT LEAST ONE CLOUD APPROACH

What functions are moving to the cloud?

KPMG's latest study of cloud adoption by functional area.

% ORGANIZATIONS USING CLOUD TODAY
HR – 57%
Sales/marketing – 52%
Customer care – 51%
Supply chain and logistics – 42%
Finance, accounting/financial management – 41%
Business intelligence/analytics – 41%
Sourcing and procurement – 36%
Operations, manufacturing – 35%

! Approximately 1/3 of those who have not yet leveraged a cloud-enabled service for a specific function intend to do so in the next 18 months.

What are cloud adoption triggers for your peers?

Upgrade	Savings	Recovery	Migration	Hardware	Compliance	Expansion
48%*	45%	14%*	11%	11%*	10%*	9%*

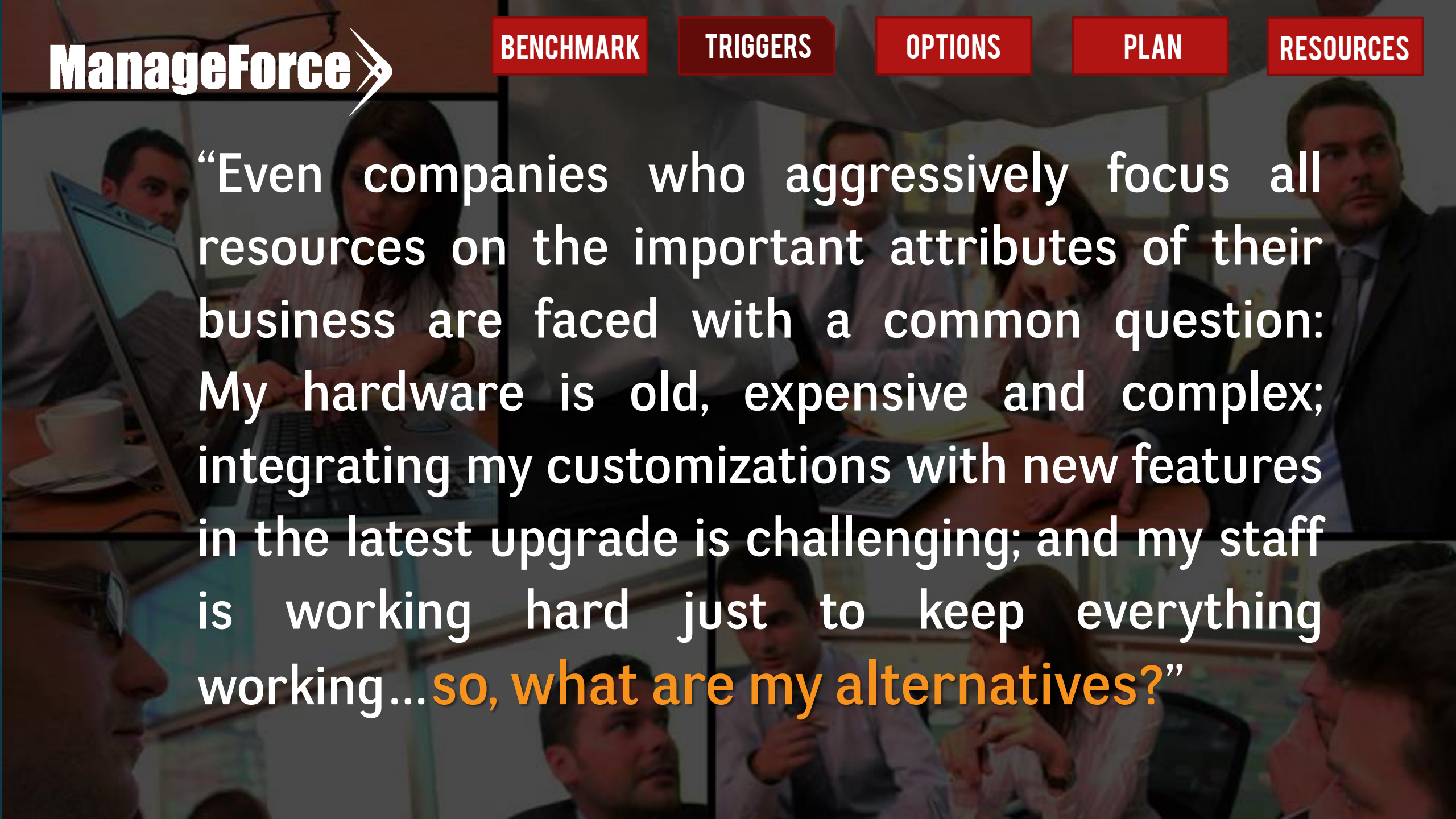
* The impetus for cloud computing adoption actually comes from IT executives more often than not. There is broad acceptance that owning hardware and maintaining a data center has become a specialized industry of its own.

Cloud benefits seen by OAUG users so far

Going back to our peer survey from earlier…

% CLOUD BENEFITS, SO FAR
Increase business flexibility and scalability – 35%
Save costs through standardization – 35%
Save costs through asset consolidation – 32%
Faster time to market for new apps – 28%
Ability to rapidly deploy solutions without IT – 28%
Save costs through elimination of duplication – 22%
Increase app or system performance – 21%
Greater control over security and privacy – 17%
Less expensive R&D (e.g., virtual prototyping) – 10%
Greater control over regulatory compliance – 8%

35% of respondents using the cloud indicate they have been able to enhance abilities to transform and adapt to changes, and increase business flexibility and scalability.



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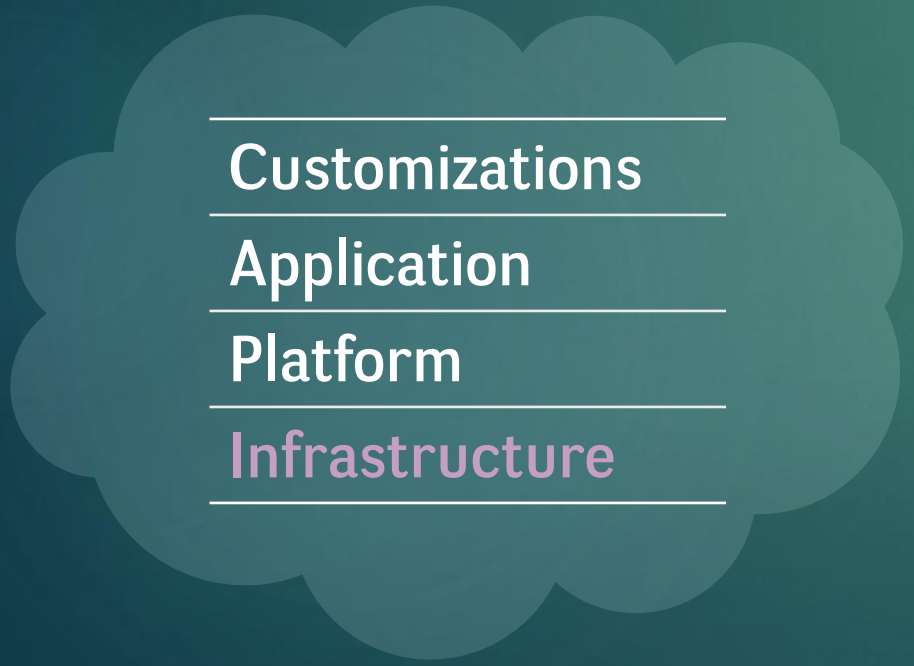
"Even companies who aggressively focus all resources on the important attributes of their business are faced with a common question: My hardware is old, expensive and complex; integrating my customizations with new features in the latest upgrade is challenging; and my staff is working hard just to keep everything working…so, what are my alternatives?"

In a nutshell, your environment and business needs may require elements from more than one approach to cloud computing. The categories below are inclusive of many approaches. The common denominator among these categories is that you're relying on a specialist for various aspects of software, architecture, or infrastructure, which can be architected to maximize benefits.

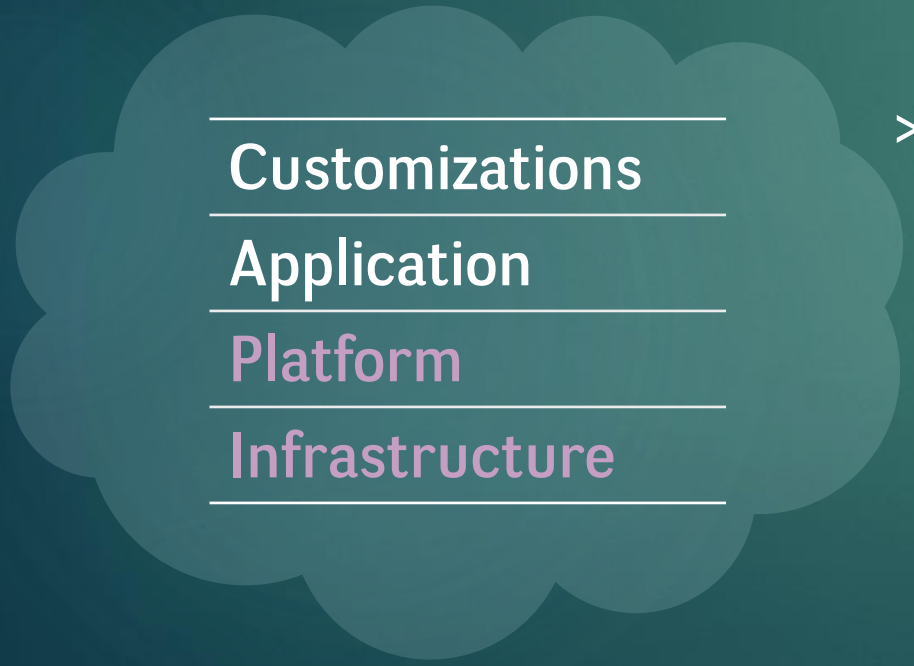
- Infrastructure-as-a-Service (IaaS)
- Platform-as-a-Service (PaaS)
- Software-as-a-Service (Saas)
- Private, Public, or Hybrid Cloud

INFRASTRUCTURE-AS-A SERVICE AKA IAAS



- Delivers computer servers, storage, and networking hardware as a service.
- Infrastructure hardware is often virtualized, so virtualization, operating system, and management software are also part of IaaS, as well.

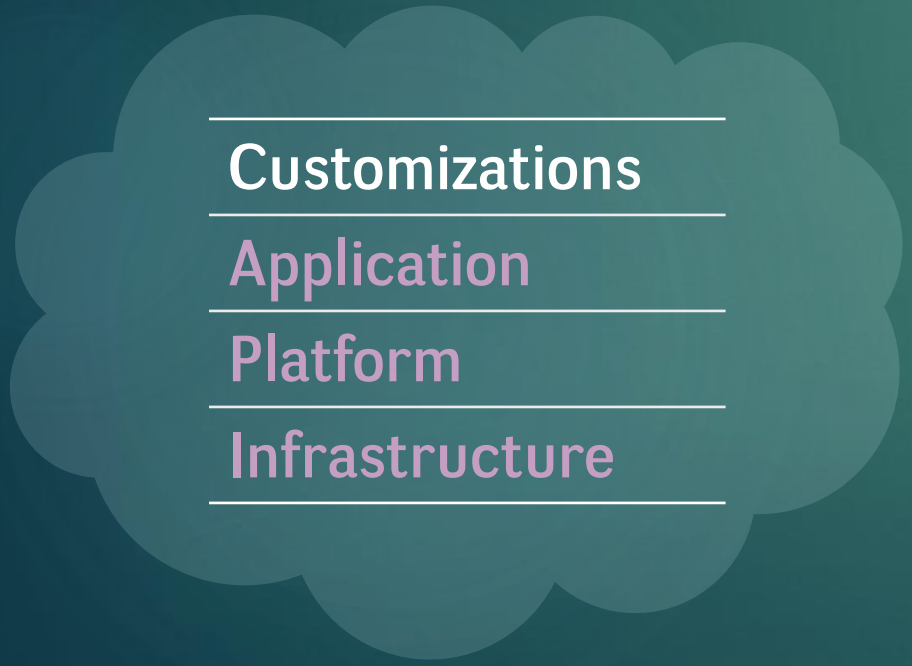
PLATFORM-AS-A-SERVICE AKA PAAS



- Includes everything described in IaaS and also an application development and deployment platform delivered as a service for developers to build, deploy, and manage applications.
- The platform typically includes database, middleware, development tools and management tools, all delivered as a service, via the Internet.

SOFTWARE-AS-A-SERVICE

AKA SAAS



- Depending on the complexity of the software, SaaS can include everything described in IaaS and possibly some of the capabilities of PaaS.
- SaaS offerings are growing quickly every year, catering to both businesses (B2B) and consumers (B2C).
- End-user applications are delivered through a web-based interface via the Internet.
- B2B offerings span business functions and serve most all industries. Some may cater to a very specific niche or offer unique functionality.

PRIVATE, PUBLIC, AND HYBRID CLOUD

EXCLUSIVE

SHARED

- CapEx & OpEx
- Lower total costs
- Control & visibility
- Multiple apps sharing resources

- Cloudbursting – overdraft for peak loads
- Dev/test & production
- B2B integration

- OpEx
- Fast & inexpensive to start
- Outsourced services
- Multiple tenants sharing resources

WAYS TO THE CLOUD

No two organizations are handling their infrastructure the same way, and complex variables are at play.

Examples include an op-ex (vs. cap-ex) finance structure, internal skill sets, the current IT refresh cycle, and evolution of applications and workloads.

Yet, many powerful capabilities and benefits, such as burstable capacity, recoverability, resiliency, elasticity, and a flexible financial model, are compelling IT teams to adopt cloud services or fully migrate applications to the cloud.

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WINDOWS OF OPPORTUNITY

Hybrid-ERP	Some functions reside in-house while others are accessed through a web interface or SaaS.
Cloud-first policy	As upgrades loom or hardware nears end of life, cloud options for replacement are explored first. Growing pains can also be tackled with this approach.
Full or partial migration strategy	Formulate a mid-term plan based on policy, resources, and/or budget to determine what is migrated, along with an approach and timeline.
Low-risk functions	Evaluate cloud by migrating low-risk workloads, software modules, or development/testing.
Business strategy or executive goals	Impress the C-suite –provide local resources for international projects, spin up new apps, adopt tighter security, and other cloud functionality.

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PLANNING CONSIDERATIONS

REGULATORY STANDARDS	BUDGET; CAP EX VS. OP EX	IT AND COMPANY POLICY	CURRENT VS. CLOUD SECURITY
IN-HOUSE TALENT	ANNUAL BUSINESS GOALS	DEPARTMENT PAINS	SHADOW IT

ASSESS, INVENTORY, AND COMMUNICATE

ABOUT MANAGEFORCE

Our first goal is to help IT leaders strike the elusive balance between systems-as-usual and innovation…between keeping the IT lights on and dazzling the rest of the C-suite. That balance means something different for every IT leader and every organization. Ultimately, we understand that almost every environment is a careful combination of legacy and new. And that every project—incremental or revolutionary—usually involves more considerations than ever before. With a 360-degree view and a decades-long passion for IT, we can help you see across application and infrastructure technology.

APP ARCHITECTURE + DEVELOPMENT + FUNCTIONAL + INFRASTRUCTURE + DBA

ABOUT MANAGEFORCE

Services for JD Edwards	We have consulted on, supported, or managed hundreds of JD Edwards installations. Our complete portfolio of JD Edwards strategic consulting, support, development, and administration services is built to help you take the next step—whatever that happens to be. Every ManageForce team member has 10+ years of experience, and you're provided a dedicated technical program manager, as well as two primary resources, for your engagement with us.
Infrastructure Services	Many continue in-house or pragmatic hybrid models based on hardware economics, legacy software limitations, or regulatory concerns. As you continue to maintain your unique environment, we offer services across cloud, infrastructure-as-a-service (IaaS), and your on-premise infrastructure. We can also administer your middleware.
Data Services	We'll help ensure your JD Edwards data is migrated properly, depending on the cloud solution that's right for you. Our database services scale up or down as you need them, from monitoring to full-service DBA. And as demand for strategic information grows or changes, we can assist with business intelligence, report writing, modeling and design, and quality management.

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ADDITIONAL INFORMATION AND SOURCES

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