

Hardware and Software

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Uporaba oblaka pri širitvi infrastrukture naše organizacije

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Agenda

- Hybrid IT Infrastructure – An Emerging Trend
- A New Set of Challenges
- The Five Keys to Overcoming the Challenges
- Takeaways
- Q&A



Adoption of cloud applications is growing

Top Three Value Propositions*

- 1 Lower TCO
- 2 Speed of Implementation and Deployment
- 3 Lack of in-house IT staff to maintain traditional software



Investment Grows**

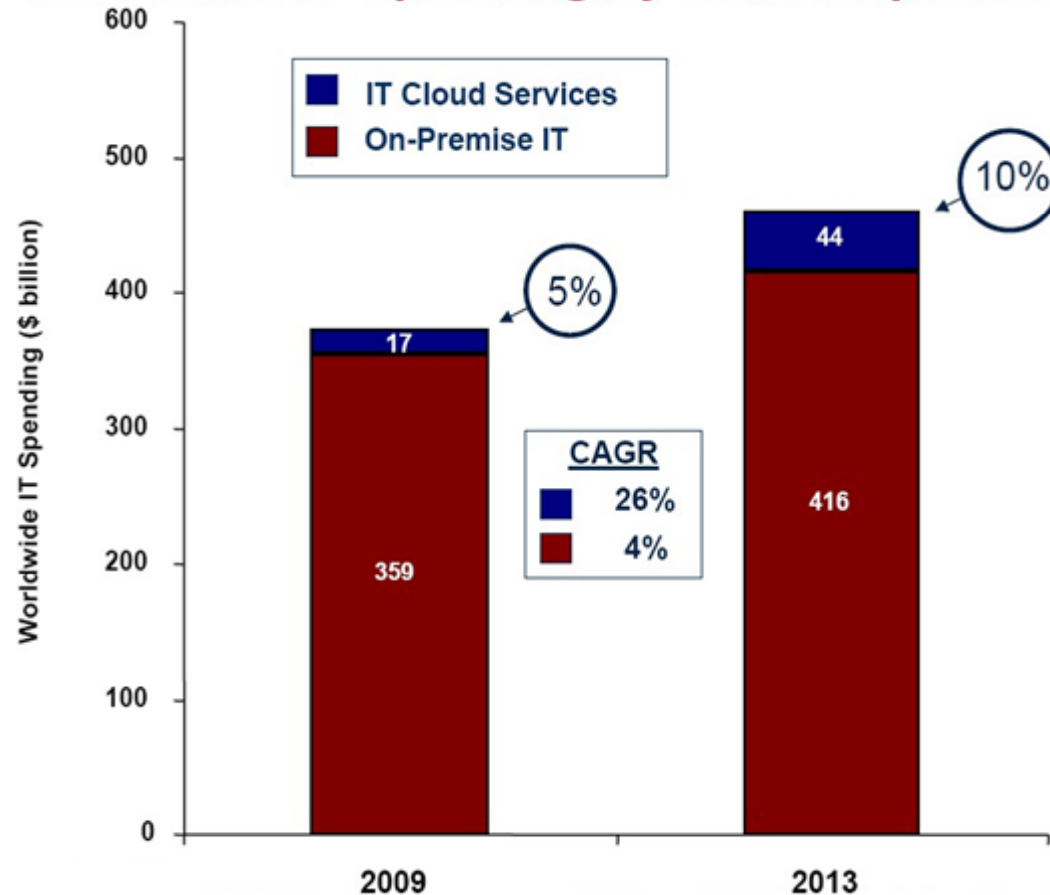
- ✓ **95%** of organizations expect to maintain or increase SaaS spending
- ✓ **50%** have been using SaaS for more than three years
- ✓ **53%** expect to increase investments slightly

***Source:** Forrester report – SaaS Adoption 2010: Buyers See More Options But Must Balance TCO, Security, And Integration

****Source:** Gartner Report – User Survey Analysis: Software as a Service, Enterprise Application Markets, Worldwide, 2010

Growth of On-Premise exceeds Cloud in IT Spending!

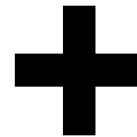
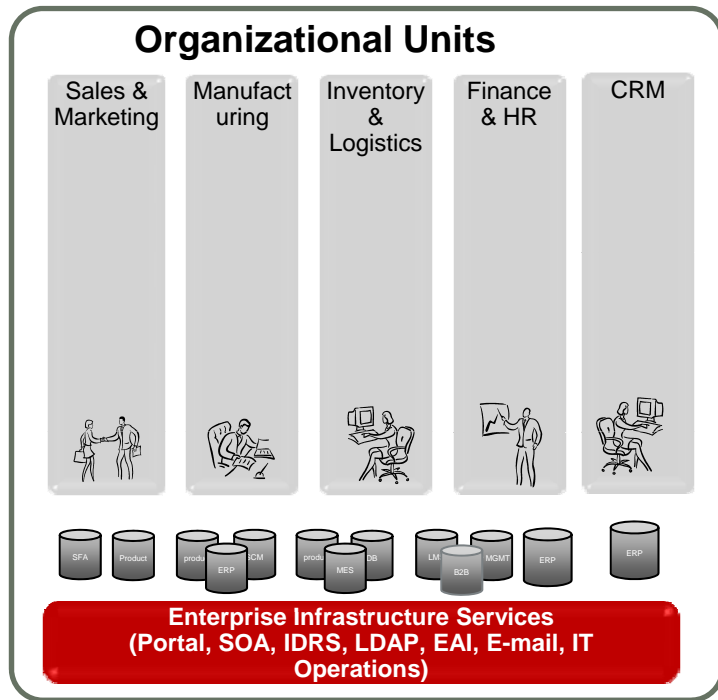
Worldwide IT Spending by Consumption Model



Source: IDC, September 2009

2009-13	On-premise	Cloud
CAGR	4%	26%
Net Growth	\$57 B	\$27 B
Total Size	\$416 B 90%	\$44 B 10%

An Emerging Trend

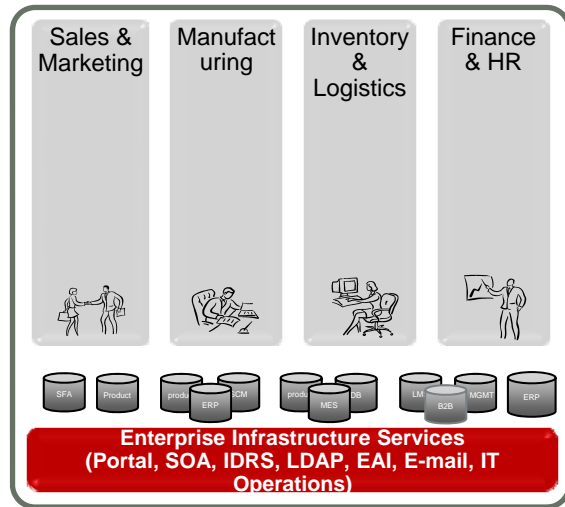


On-premise Infrastructure

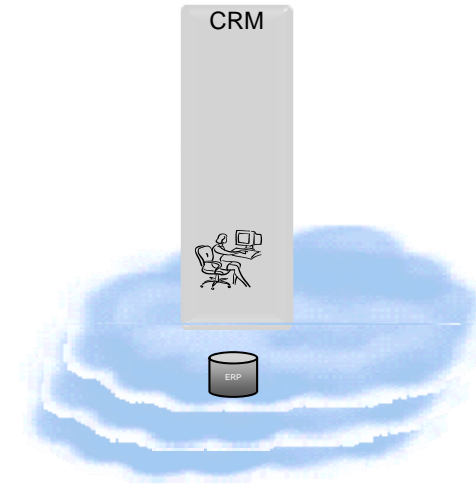
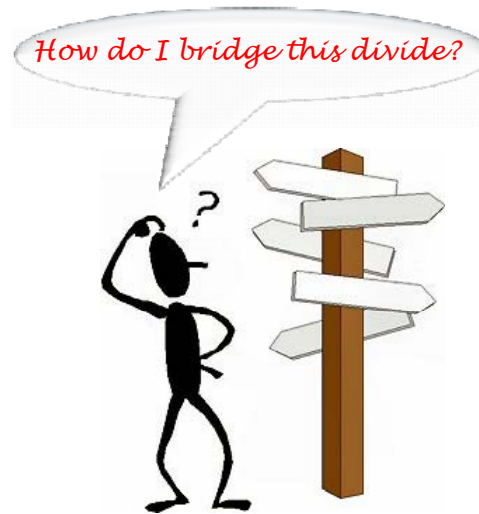
Public Cloud Infrastructure

Hybrid IT Infrastructure

Challenges of the hybrid model



On-premise Infrastructure

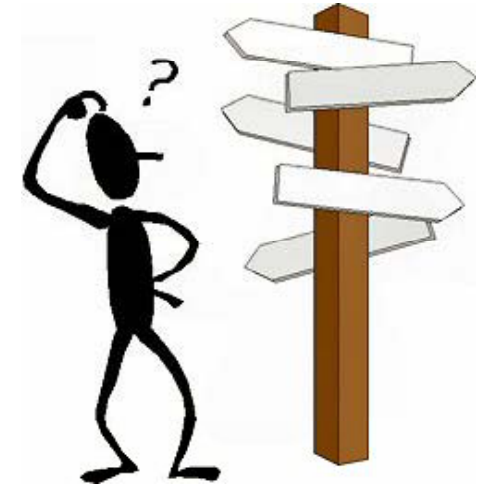


Public Cloud Infrastructure

Challenges across the divide between On-premise and Cloud Apps

- How do I populate data into the cloud application for the first time?
- How do I provision on-premise users into the cloud application?
- How do I manage user access to the cloud application?
- How do I ensure data consistency across all applications?
- How do I optimize business processes across all applications?

The five step solution to the challenges



Step #1 Populate data

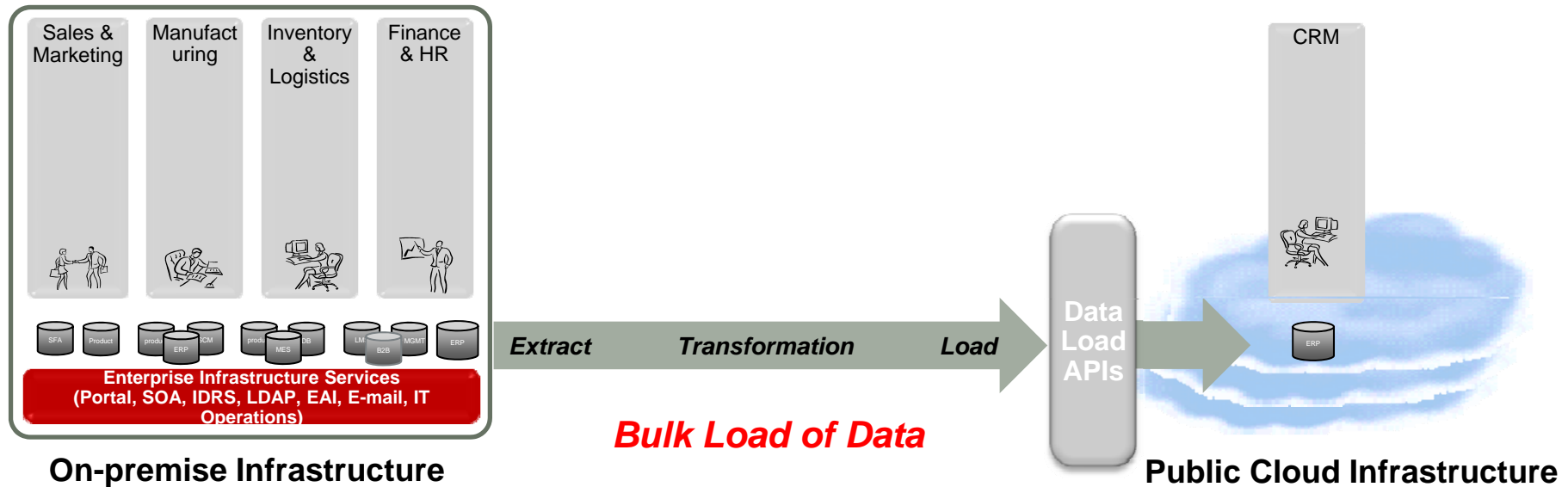
Step #2 Provision user access

Step #3 Manage user access

Step #4 Integrate applications and their data

Step #5 Optimize business processes

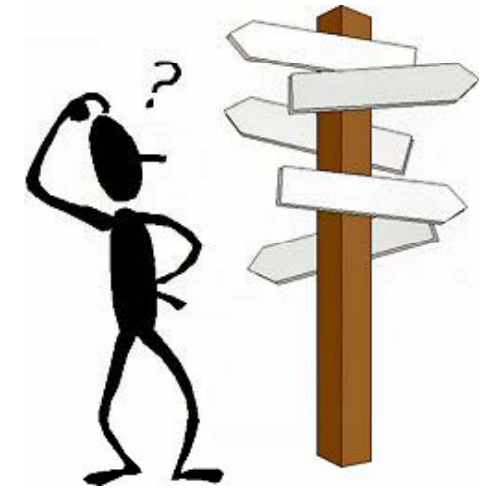
Populate data into the cloud application



Challenges:

- Extracting, transforming and loading large volumes of data across the divide
- Connectivity with diverse systems
- High performance requirements

The five step solution to the challenges



Step #1 Populate data

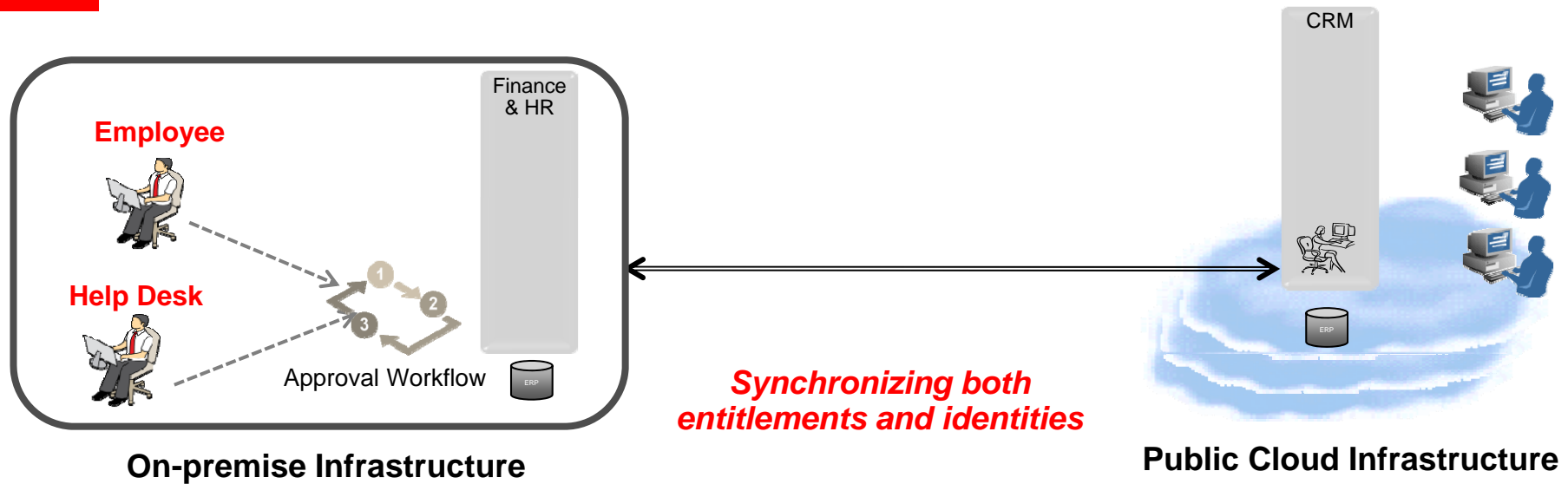
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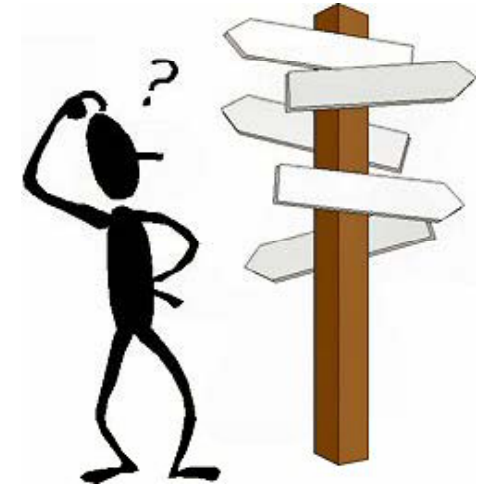
Provision User Access



Challenges:

- On-boarding users into applications
- Providing initial passwords
- Increased help desk calls to create accounts
- Tracking approvals and provisioning users based on roles

The five step solution to the challenges



Step #1 Populate data

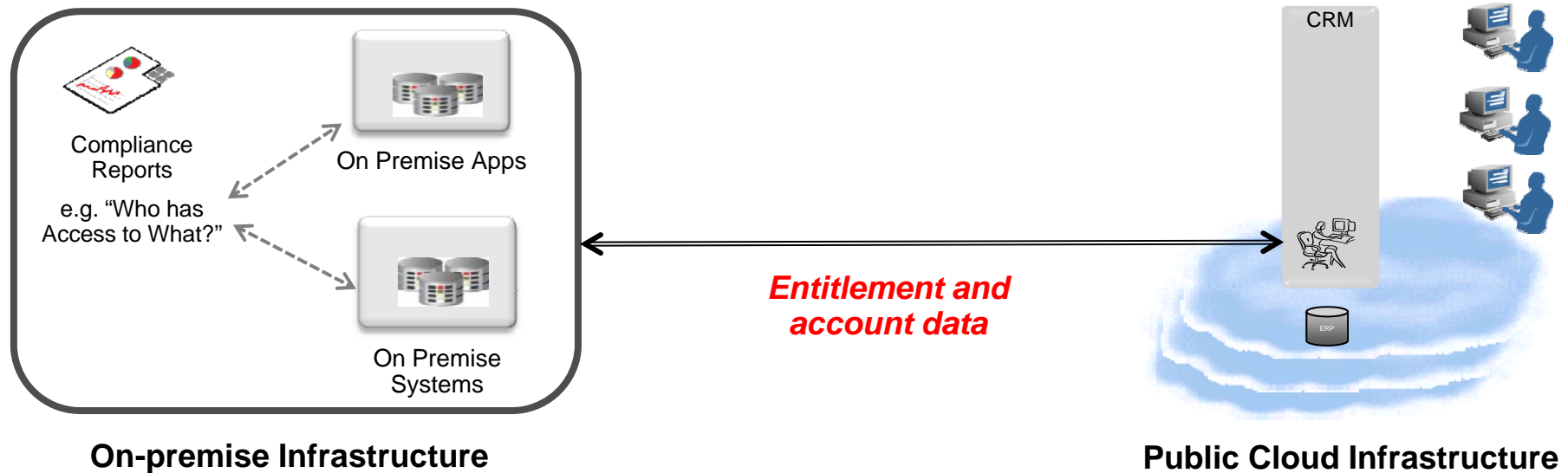
Step #2 Provision user access

Step #3 **Manage user access**

Step #4 Integrate applications and their data

Step #5 Optimize business processes

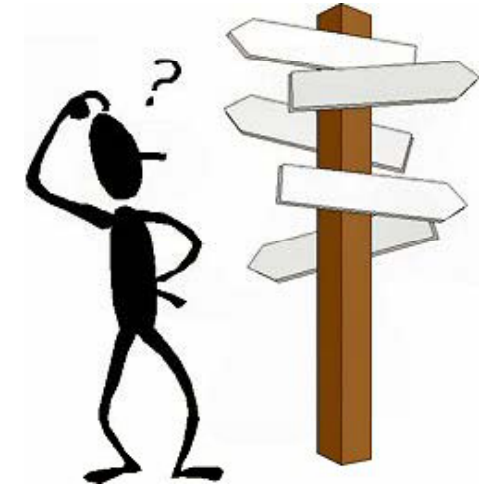
Manage User Access



Challenges:

- Reconciling who has access to what applications and entitlements
- Detecting excessive access and dormant accounts
- Password aging and detection of orphaned accounts
- Self services account management and password reset
- Automated account disable upon termination
- Certification review reporting and role management

The five step solution to the challenges



Step #1 Populate data

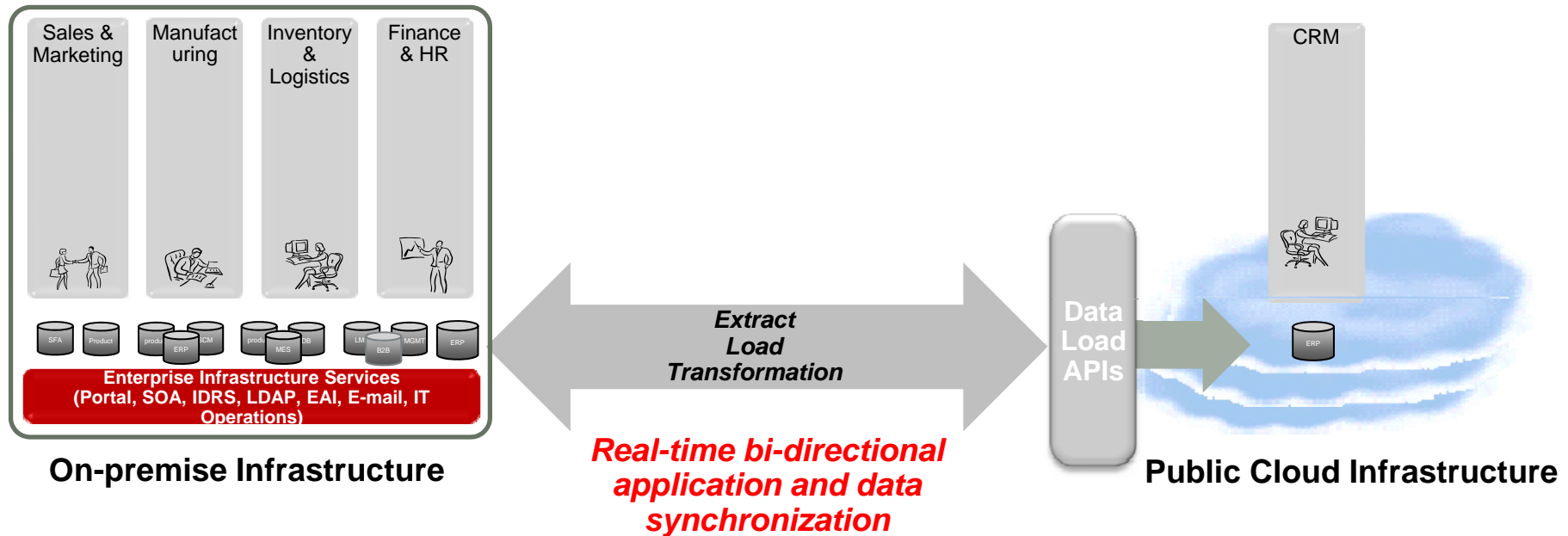
Step #2 Provision user access

Step #3 Manage user access

Step #4 **Integrate applications and their data**

Step #5 Optimize business processes

Integration applications and their data



Challenges:

- Extracting, transforming and loading bulk data in real-time
- Capturing, transforming and updating transactions in real-time
- High performance requirements with a non-intrusive solution
- Connectivity with diverse systems

Performant, Reliable, and Scalable Application Integration

Improve Performance

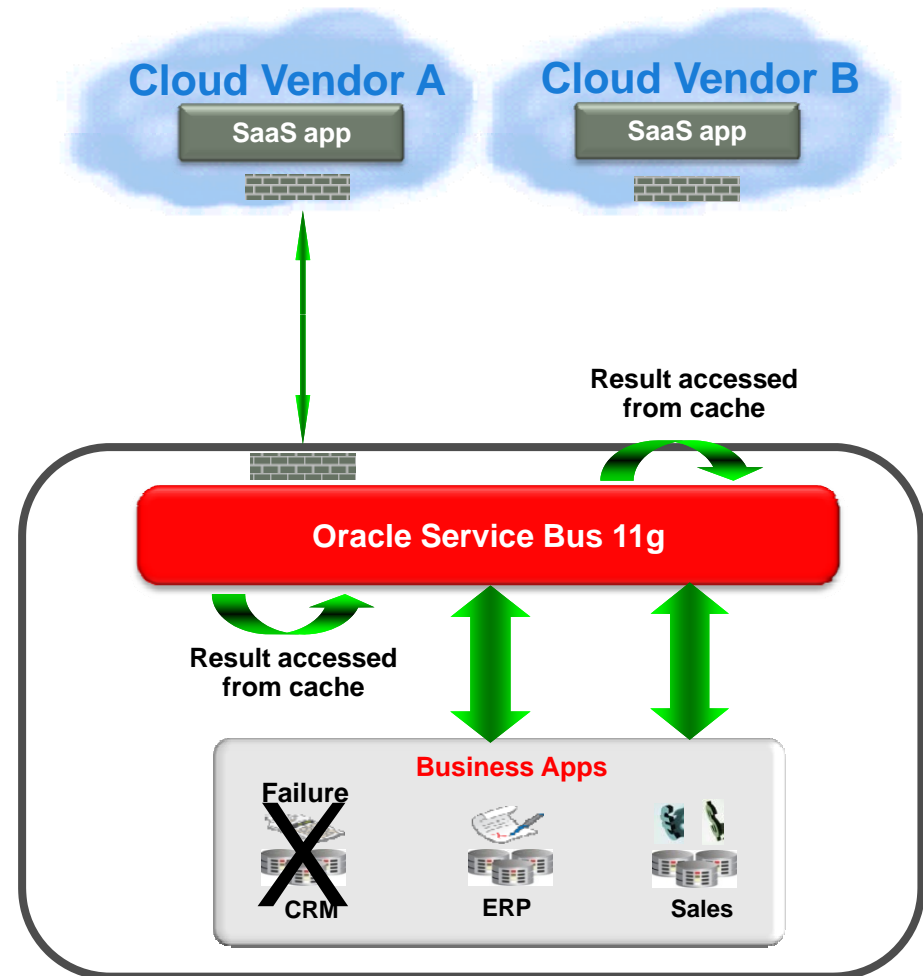
- Performance implications of going over the internet
- Eliminate repeated application requests for static data

Reduce Risk

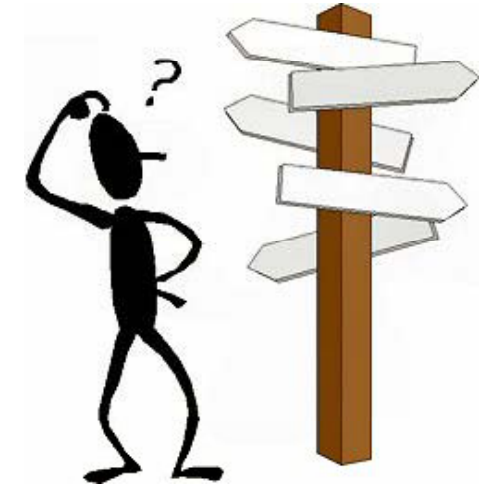
- Lack of control over application availability
- Service results available even when SaaS application is down

Scale Predictably

- Uncertainty over SaaS application scalability
- Cached results maintained internally result in less dependence on 3rd party application availability



The five step solution to the challenges



Step #1 Populate data

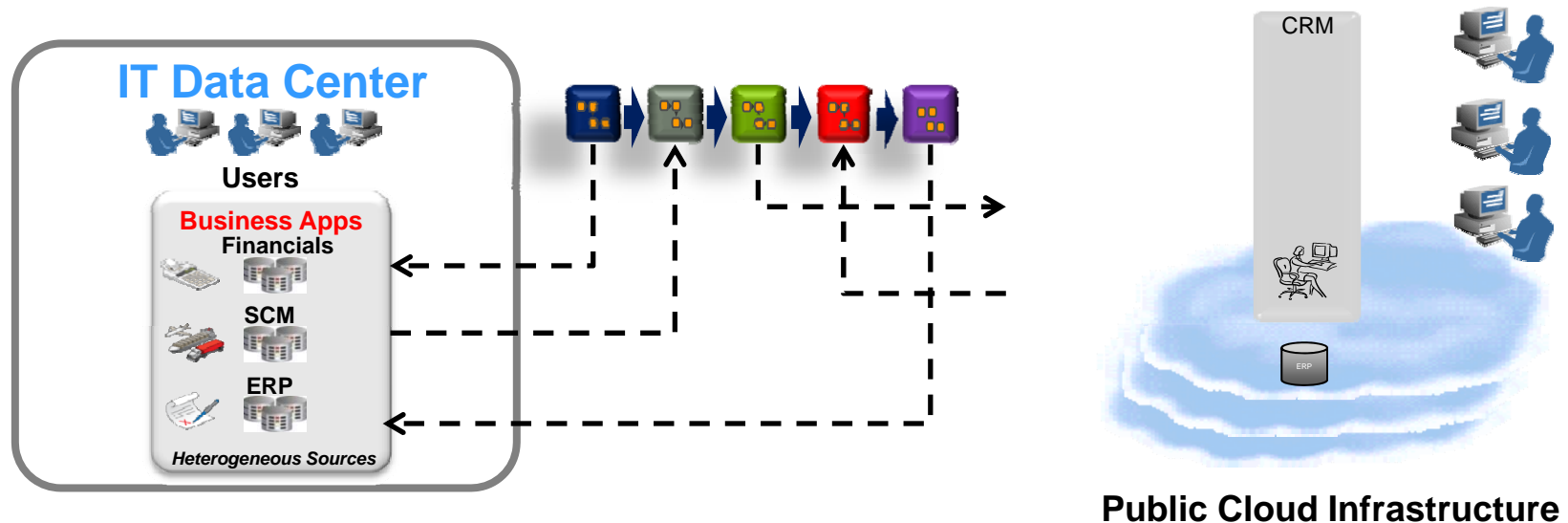
Step #2 Provision user access

Step #3 Manage user access

Step #4 Integrate applications and their data

Step #5 **Optimize business processes**

Optimize Business Processes



Challenges:

- Divide across multiple firewalls
- Heterogeneous system endpoints involved in complex long running processes
- Sensitive data transfer over the internet

Solution Requirements:

- Unified business process management for processes of any type across heterogeneous applications and clouds
- Secure communication channels



Key Takeaways

- Cloud applications are here to stay, **Hybrid IT Infrastructure** is the emerging trend
- **Load, Synchronize, Provision, Centralize, and Assimilate** (by leveraging Oracle Fusion Middleware)
- New complexities can be conquered with the **Complete, Open, Integrated, and Best-of-breed** software

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