

Cloud Computing pre eGovernment

Martin Jelok, Systems Services Manager, IBM

Bratislava, 10.11.2010



There are three ways to deliver IT capabilities



Software, hardware and services



Pre-integrated systems and appliances

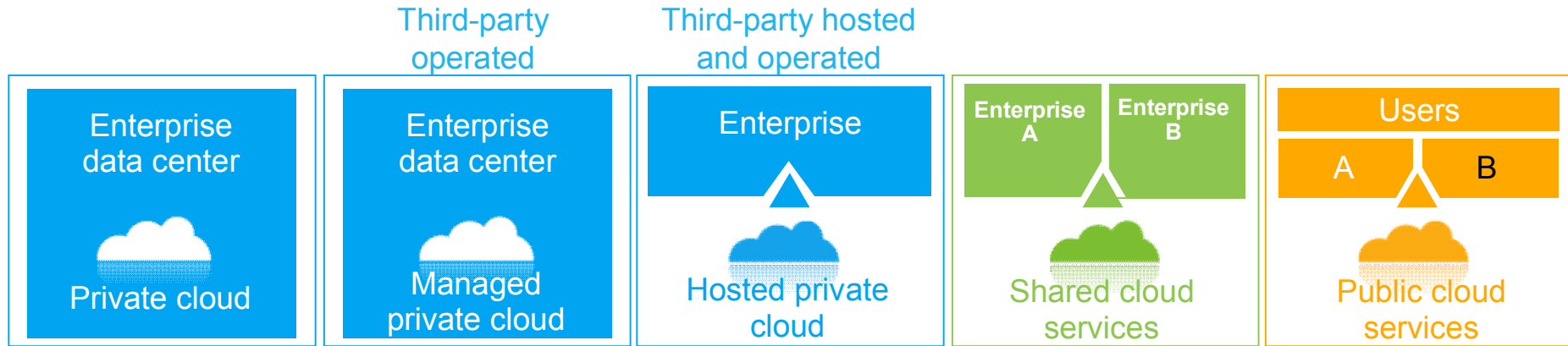


Provided as services...



...including cloud computing, a new model for delivering and consuming IT capabilities

There is a spectrum of deployment options for cloud computing



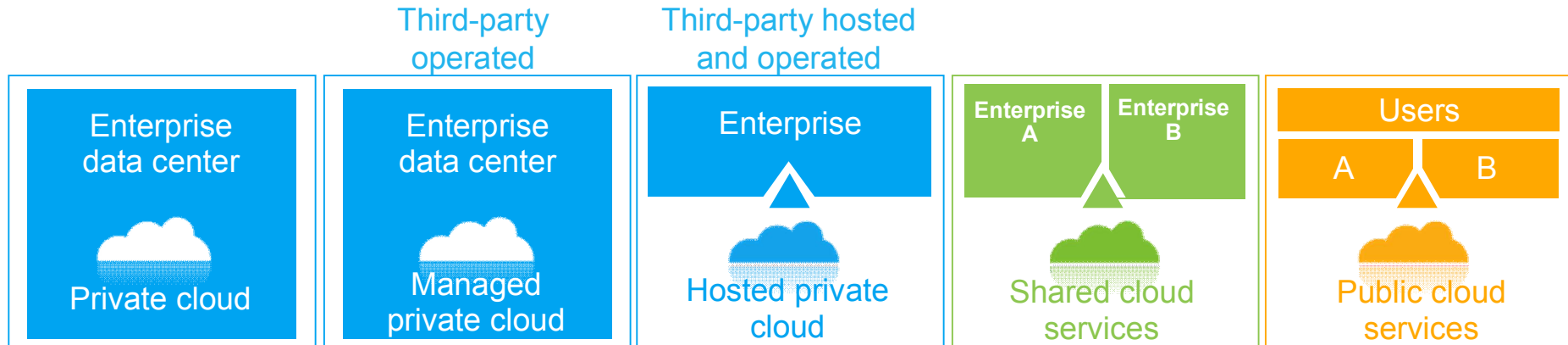
Private
IT capabilities are provided “as a service,” over an intranet, within the enterprise and behind the firewall

Hybrid
Internal and external service delivery methods are integrated

Public
IT activities / functions are provided “as a service,” over the Internet



There is a spectrum of deployment options for cloud computing



- Private
- Implemented on client premises
- Client runs/manages

- Third-party operated
- Enterprise owned
- Mission critical
- Packaged applications
- High compliancy
- Internal network

- Third-party owned and operated
- Standardization
- Centralization
- Security
- Internal network

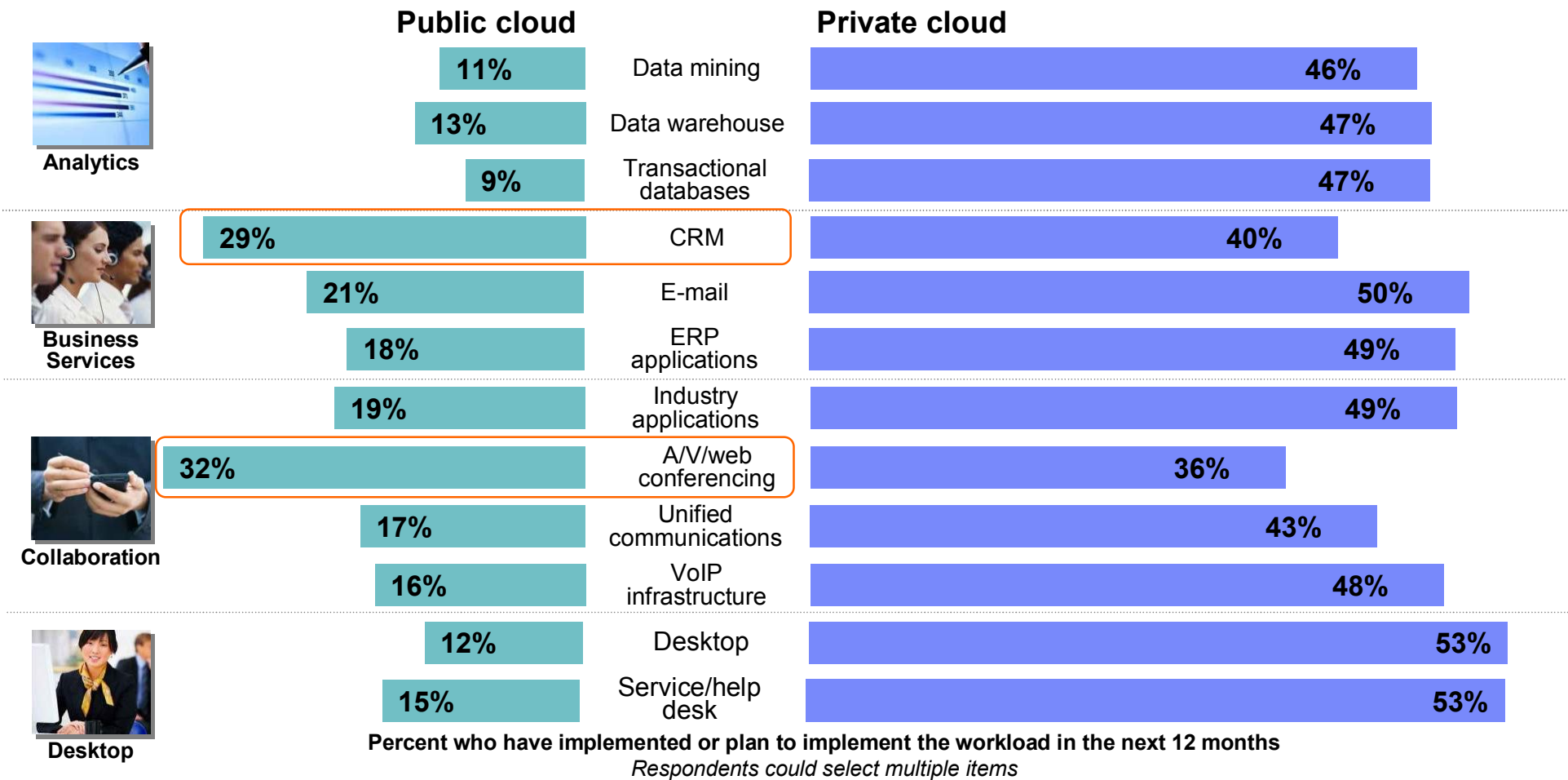
- Mix of shared and dedicated resources
- Shared facility and staff
- Virtual private network (VPN) access
- Subscription or membership based

- Shared resources
- Elastic scaling
- Pay as you go
- Public Internet



Audio/video web conferencing and CRM hold the greatest interest for deploying in a **public cloud**

Have you, or are you planning to implement, public or private cloud delivery for these IT activities?



Private cloud usage/implementation rates are relatively high across all workloads, with little variation

Have you, or are you planning to implement, public or private cloud delivery for these IT activities?

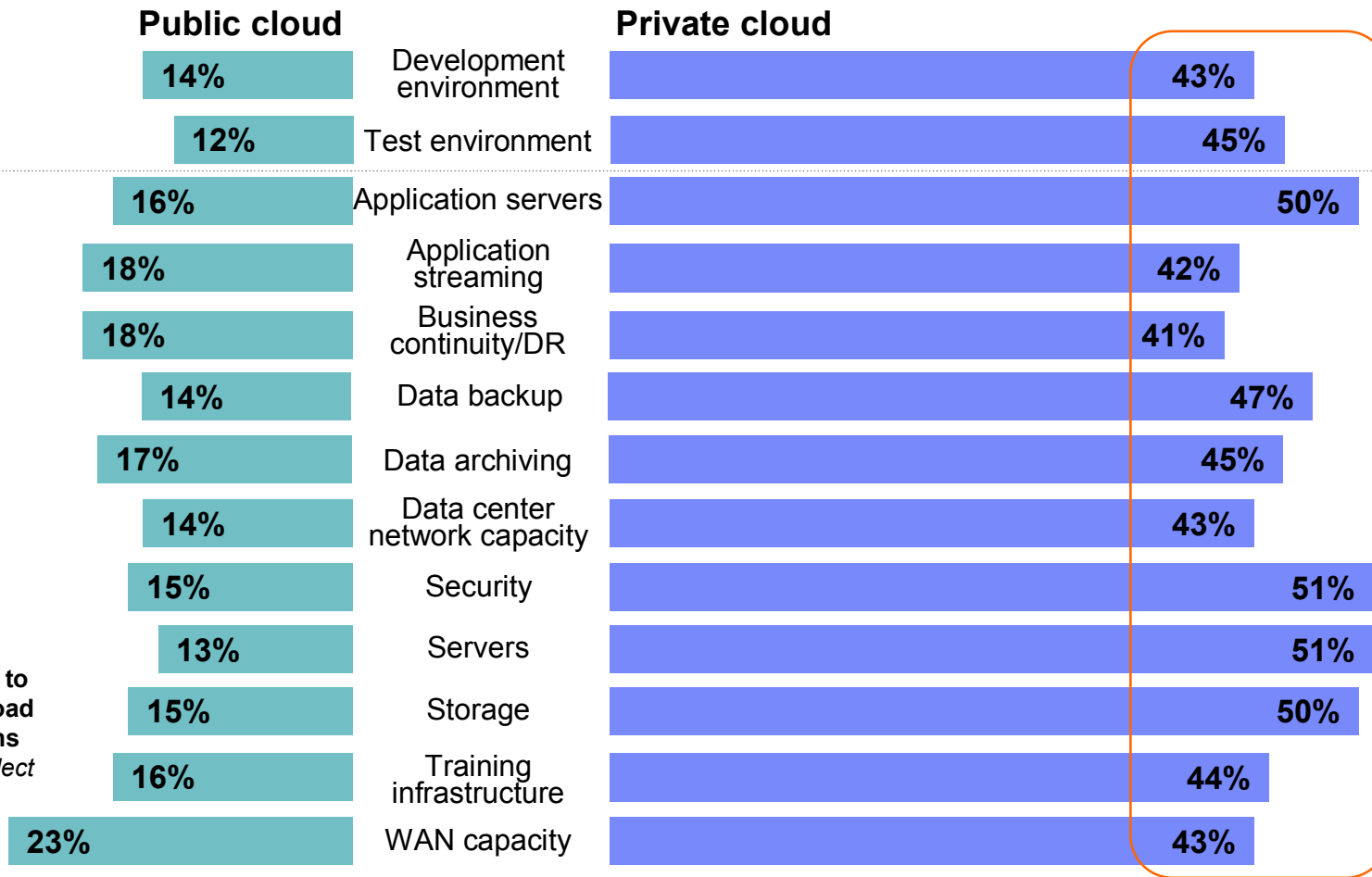


Development and Test










Infrastructure

Percent who have implemented or plan to implement the workload in the next 12 months
 Respondents could select multiple items



Smart business offerings provide comprehensive cloud solutions for infrastructure workloads with multiple delivery models

	 Analytics	 Collaboration	 Development and test	 Desktop and devices	 Infrastructure compute	 Infrastructure storage	 Business services
Smart business on the IBM cloud Standardized services on the IBM cloud		<ul style="list-style-type: none"> IBM Lotus Live NEW - IBM Lotus® iNotes® 	<ul style="list-style-type: none"> Smart Business Development and Test on the IBM Cloud (beta) 	<ul style="list-style-type: none"> IBM Smart Business Desktop Cloud Smart Business End User Support 	<ul style="list-style-type: none"> IBM Computing on Demand 	<ul style="list-style-type: none"> IBM Information Protection Services 	<ul style="list-style-type: none"> BPM BlueWorks (design tools) Smart business expense reporting on the IBM cloud
IBM Smart Business Services Private cloud services, behind your firewall, built and/or managed by IBM	<ul style="list-style-type: none"> IBM Smart Analytics Cloud 		<ul style="list-style-type: none"> IBM Smart Business Test Cloud 	<ul style="list-style-type: none"> IBM Smart Business Desktop Cloud 		<ul style="list-style-type: none"> IBM Smart Business Storage Cloud 	
IBM Smart Business Systems Preintegrated, workload-optimized systems	<ul style="list-style-type: none"> IBM Smart Analytics System 		<ul style="list-style-type: none"> IBM CloudBurst™ family 			<ul style="list-style-type: none"> IBM Information Archive 	<ul style="list-style-type: none"> Smart Business for Small or Midsize Business (backed by the IBM Cloud)

What makes IBM's approach smarter?

Workload Optimized

- Infrastructure optimized for specific workloads, tasks, or services in ways that deliver orders of magnitude better performance, scale and efficiency.

Service Management

- Provides visibility, control and automation across the business and IT infrastructure to accelerate the delivery of high quality services.

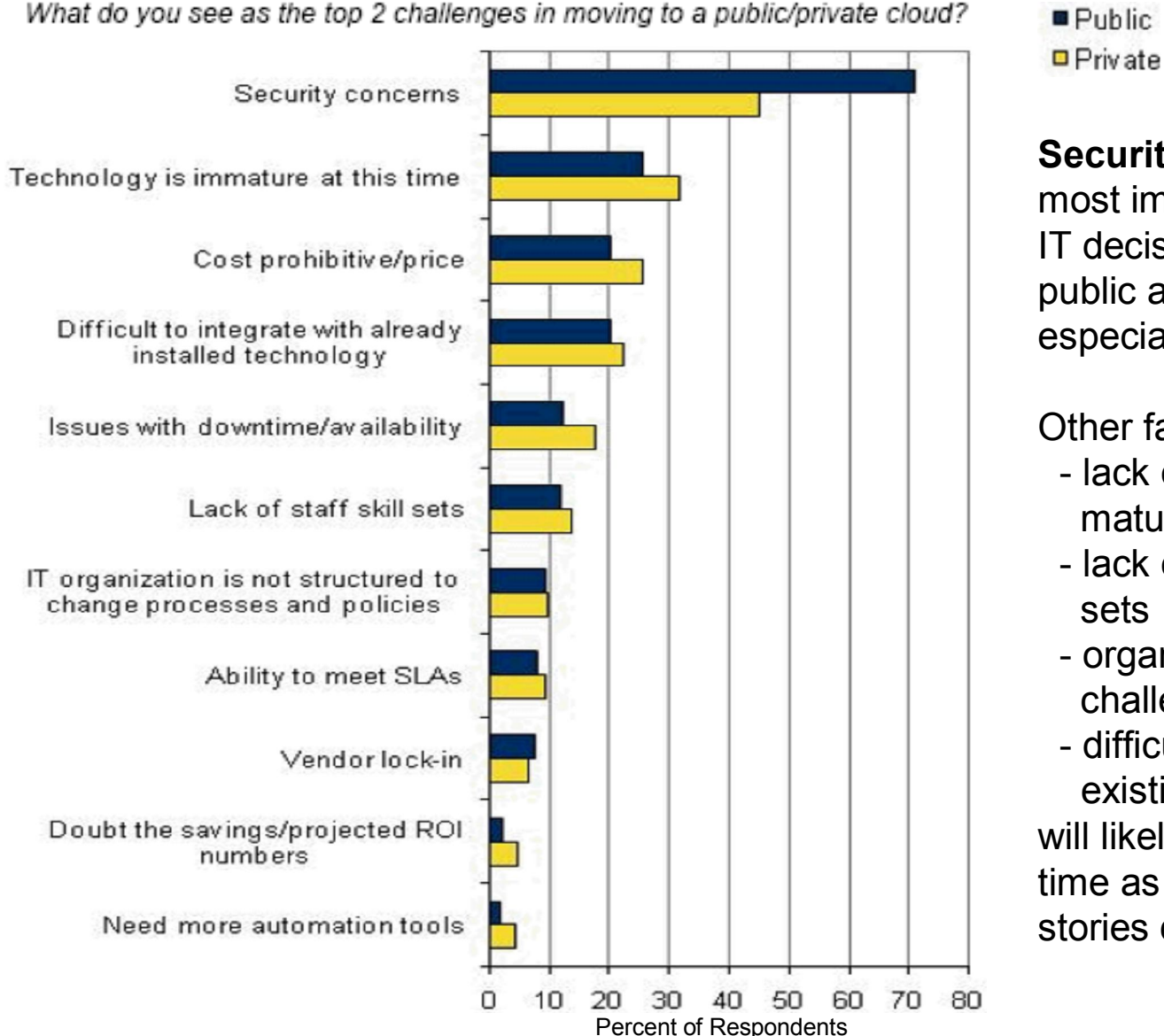
Flexible Delivery Choices

- New delivery choices characterized by self-service, elastic scaling and rapid provisioning for optimal performance with reduced costs and risk.

.....looking at IT service delivery from the business' perspective.

Top Challenges in Moving to a Public or Private Cloud

Q. What do you see as the top 2 challenges in moving to a public/private cloud?



Security concerns are the most important fear among IT decision-makers for both public and private cloud, especially public cloud.

Other factors, such as

- lack of technology maturity
- lack of personnel skill sets
- organizational challenges and
- difficulty integrating with existing infrastructure

will likely decrease over time as cloud success stories circulate.

Príležitosti Cloud Computing pre eGovernment – spoločne využívané služby

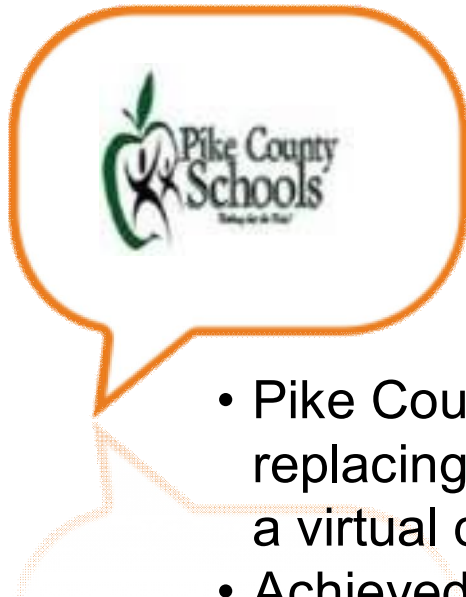
- Riadenie ľudských zdrojov
- Riadenie Majetku - budovy, vozový park
- Rozpočet a Financie – okamžitý prehľad o pridelených a využitých zdrojoch
- Účtovníctvo

- eMail
- kolaboračné služby – messaging, web konferencie,
- IT ServiceDesk a podpora používateľov
- ...

Príležitosti Cloud Computing pre eGovernment – zdieľanie výpočtových zdrojov

- Ochrana dát
- Pamäťová kapacita
- Archivácia dát
- Služby obnovy prevádzky – záložné výpočtové zdroje
- Virtuálne desktopy
- Sezónne špičky v dopyte po výpočtových zdrojoch IT
 - Daňové priznania
 - Zdravotné poistenie
 - eLearning
 - Vývojové a testovacie prostredie

Saving money to invest in education



- Pike County Schools avoided the cost of replacing 1,400 workstations by deploying a virtual desktop solution on the IBM cloud
- Achieved cost savings of more than 60%
- Increased security
- Reduced SW license and overall maintenance costs

Solution

- IBM Smart Business Desktop on the IBM Cloud

Why take advantage of cloud now?

We asked IBM clients “To what degree would each of these factors induce you to acquire cloud services?”

Reduce costs

- 77%**
or higher
- Hardware savings
 - Software license savings
 - Lower labor and IT support costs
 - Lower outside maintenance costs

Faster time to value

- 72%**
or higher
- Relieve pressure on internal resources
 - Simplify updating/upgrading
 - Speed deployment
 - Scale IT resources to meet needs



Consider cloud now:

- To lower the costs of delivering IT services
- To deliver flexible IT
- Because your competitors are already thinking about cloud—some are already implementing it
- Because cloud changes the economics of IT and offers competitive advantage

Respondents could rate multiple factors; listed is factors where that percentage or higher of respondents selected that factor

SOURCE: IBM, [Dispelling the vapor around cloud computing: New findings from IBM Market Insights](#), 2009.



Thank you!

For more information, please visit:
<http://www.ibm.com/cloud>