

Embracing the Future: Global Trends and Challenges

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The Future Isn't What We Thought It Would Be...



But We Live in Amazing Times...

A Vision of the Future...



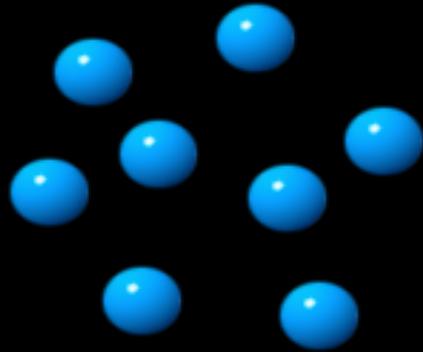


Change

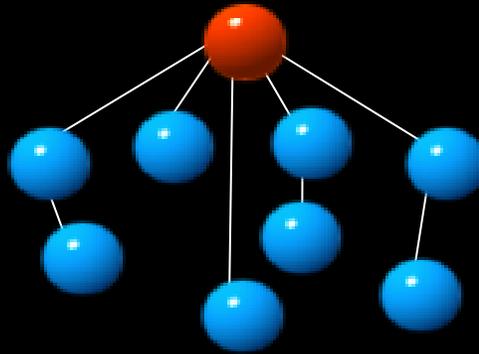
CHANGE

*Change is affecting how we, live, work, and interact with people
all around the world*

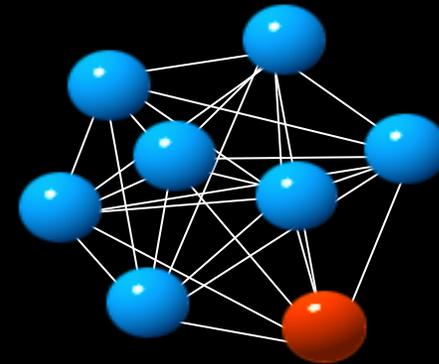




Tribes

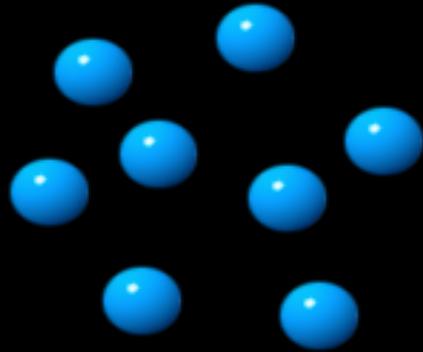


Kingdoms

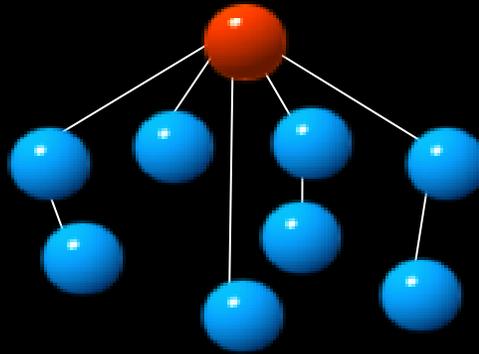


Connected

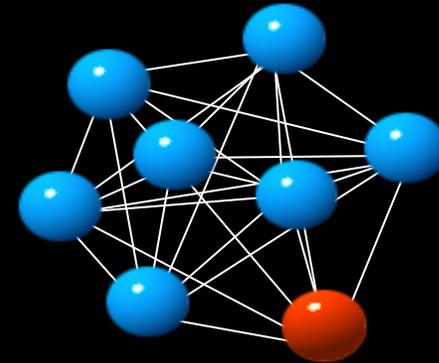
Changing Technology



Mainframes



Client/Server



Interrelated

Changing Influencers

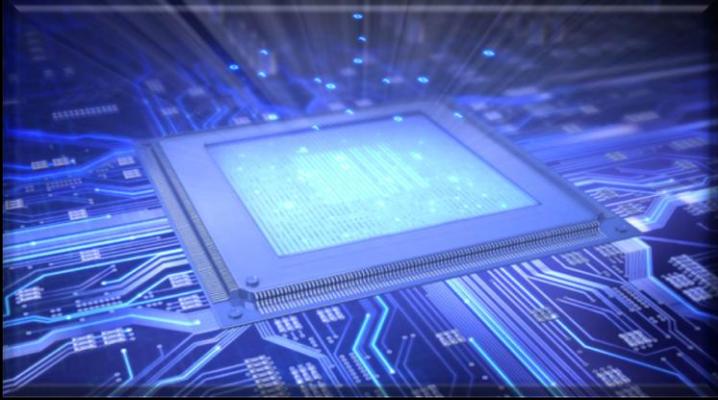


- Globalization
- Competitiveness
- Aging Population
- Environment/Green movement
- Legacy Investments
- Legacy Policies
- Technology Adoption
- Technology Advancements

Rapid Acceleration in Physics



Computational Power...



...performance doubles every 18 months

Storage...



...doubles every year

Connectivity...



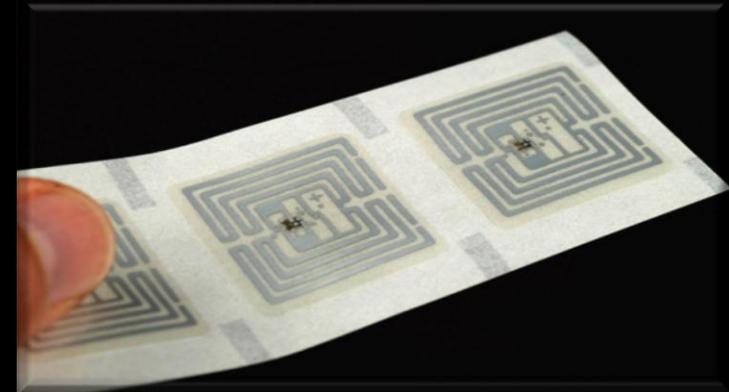
...tripling every 6 months

Power...



...more efficient

Sensors...



...gathering 'local' data

TECHNOLOGY OVER THE YEARS

PC



PHONE



IT



DATA CENTER

Generation 1



Server
Capacity

Generation 2



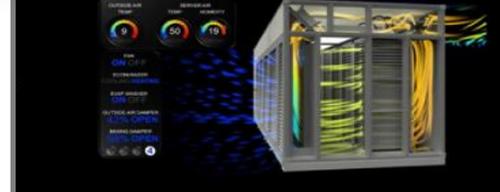
Rack
Density and
Sustainability

Generation 3



Containers
Scalability
Thousands of Servers

Generation 4



Rapidly Evolving Innovation Areas



INSIGHTS



USER
INTERFACE



SOCIAL

CLOUD

Examples Across Public Sector

Health



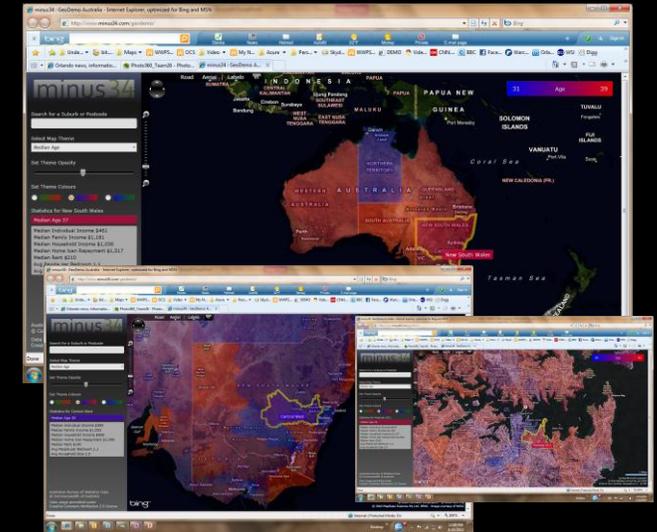
Microsoft Partner MDI; created a new interface using Silverlight for their healthcare analytics and automated claims-processing software that helps users more easily digest information through an interface filled with animations and 3-D graphics

Education



As the host of the first ever Youth Olympic Games the Singapore government used students and community enthusiasts to create a showcase to the foreign athletes and visitors coming to Singapore

Government



Australian Bureau of Statistics and Data combined socio-economic data with geo-spatial and postal code information to create a rich environment for citizens to explore public information

User Interface

Changing the way we interact with digital content

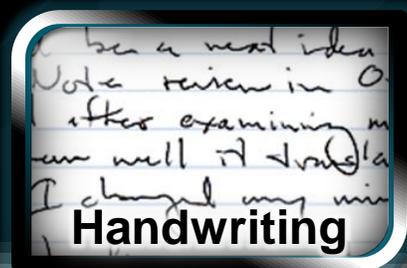


Gestures

Anticipatory

Environment
Aware

Expressive
Response



Immersive
3D

Contextual



User Interface Over the Years



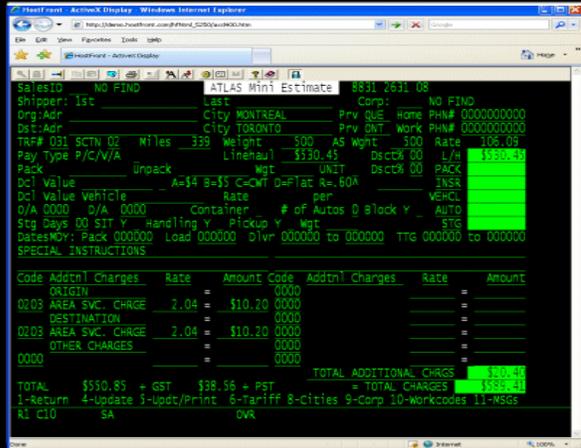
Green Screen

GUI

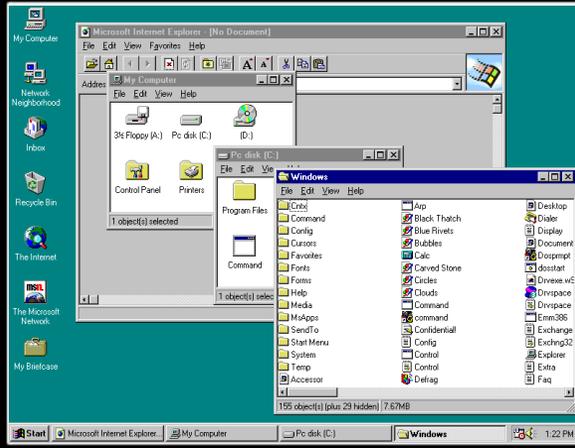
Modern

NUI

13



14



15



16

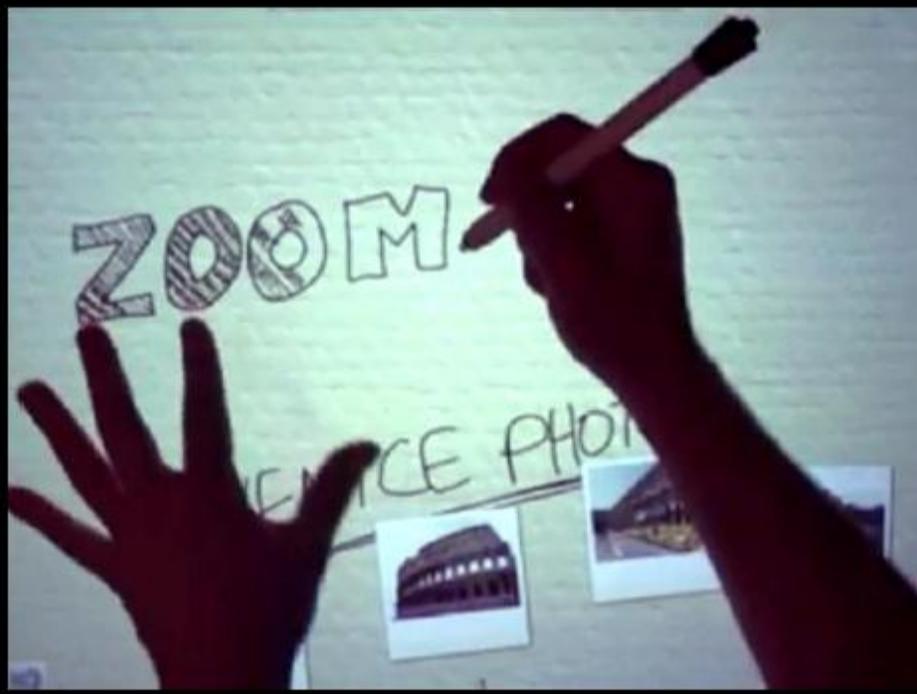


13

14

15

16



Examples Across Public Sector

Health



Combining advanced computing capabilities and interface techniques introduces real time advancements to delivering care

Education



Churchend Primary School using Surface and RM's Finguistics to change the collaborative educational environment through a game that requires pupils to work collaboratively to spell out words, complete sentences or complete numeric sequences against the clock.

Government



US Army using intuitive multi-touch, multi-user interface to provide computer aided collaboration to integrate data feeds to raise situational awareness

Social

Changing the way we work



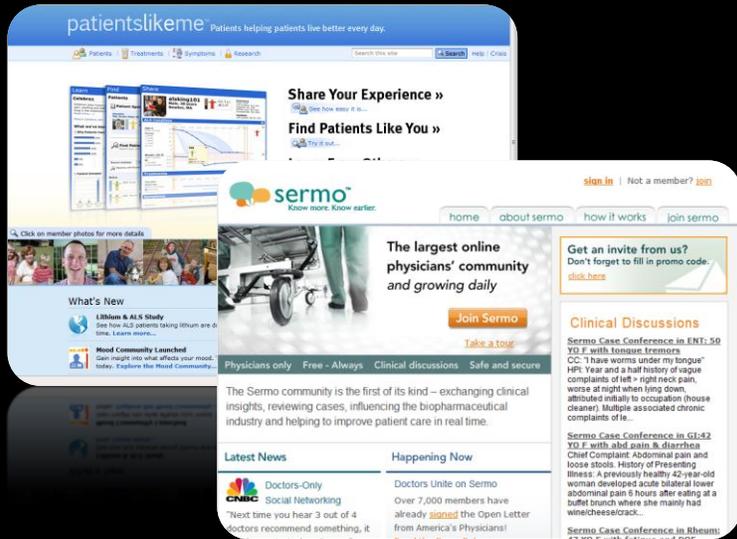
Increase Collaboration

Build and Leverage Communities

Instantaneous and Suitable Sharing

Examples Across Public Sector

Health



Communities of Patients and Doctors are finding each other to share information, experiences, and support.

Education



The Windows MultiPoint solution gives education professionals the ability to build and use interactive applications that allow up to 25 students, each with their own mouse, to simultaneously engage on a single PC.

Government



Microsoft TownHall is an online tool that fosters, organizes, moderates, and houses online conversations, driving rich discussion around top issues and concerns

Cloud



Changing the technical capacity of everyone

AGILITY

ECONOMICS

INNOVATION

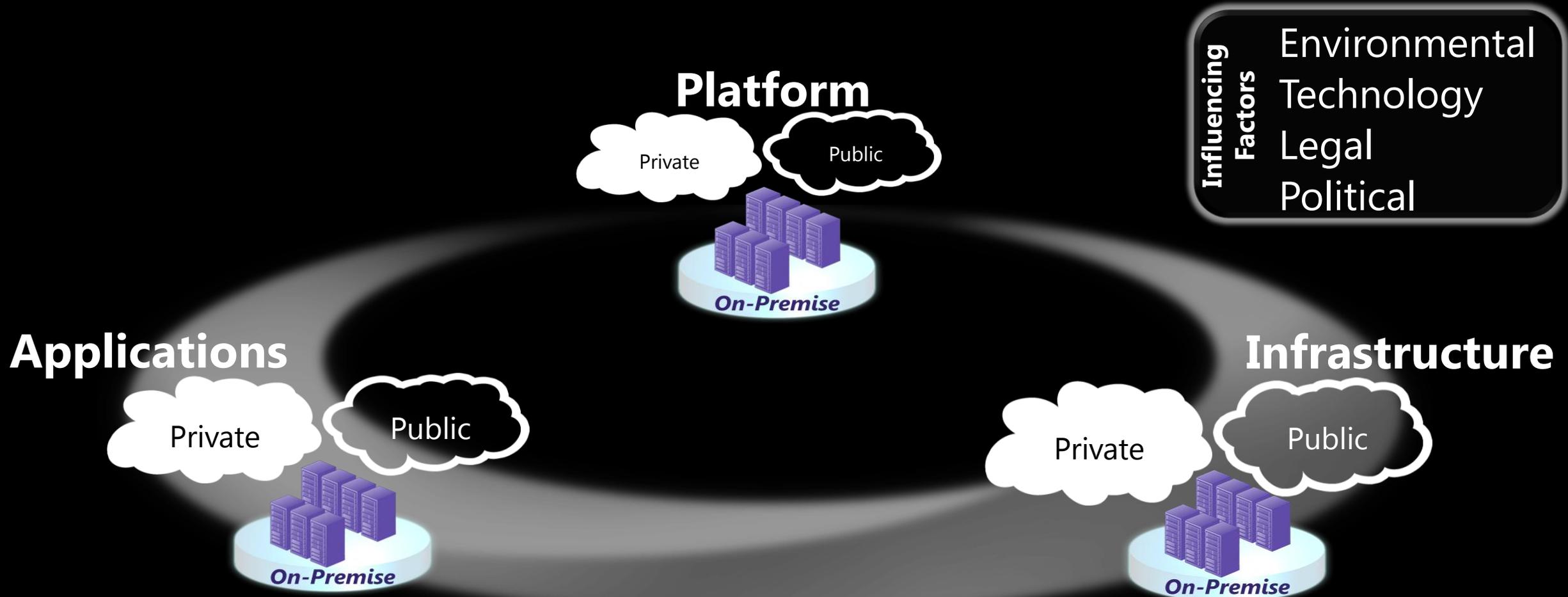
Significant Economic and Financial Differences

Changing the expectations for business agility

Removing barriers to focus on enterprise challenges



Modern Referential IT Environment



Examples Across Public Sector

Health



HePoEx Online Patient & Provider Services is the first Microsoft® Online Services based EMR that is purchased as an online subscription and accessed via a desktop application or a web browser.

Education



Live@edu is a worldwide program being used in over 100 countries, providing school communities (students, faculty, and staff) with communication, collaboration, productivity and storage services – co-branded for the school.

Government



Linking locally relevant information from near real-time public observations to scientific measurements, Eye on Earth creates an important new channel for policymakers and citizens across Europe to communicate environmental data

A 'New' Conversation Unfolding:

NEW OPPORTUNITY



- New cost savings
- New politics
- New flexibility
- New connections with citizens, patients & students
- New frontiers for science, education and health

NEW CHALLENGES



- No infrastructure needs
- New citizen relationships
- New threats
- New questions

NEW RESPONSIBILITIES



- New innovation by industry
- New leadership from government
- New partnerships among government, industry & citizens/consumers
- New collaboration across borders



next steps...

Tomorrow:

Think beyond your current technology environment

Next week:

Review how new trends will impact your business.

Near Future:

Explore what your organization will need to be in 10 years time.



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Be What's Next.

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