EUROPEAN CITIES AND REGIONS NETWORKING
FOR INNOVATIVE TRANSPORT SOLUTIONS

New Trends in Systems & Services

Using the cloud to support traffic management operations

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Reading's Traffic Management & Real Time Public Information Systems in the Cloud

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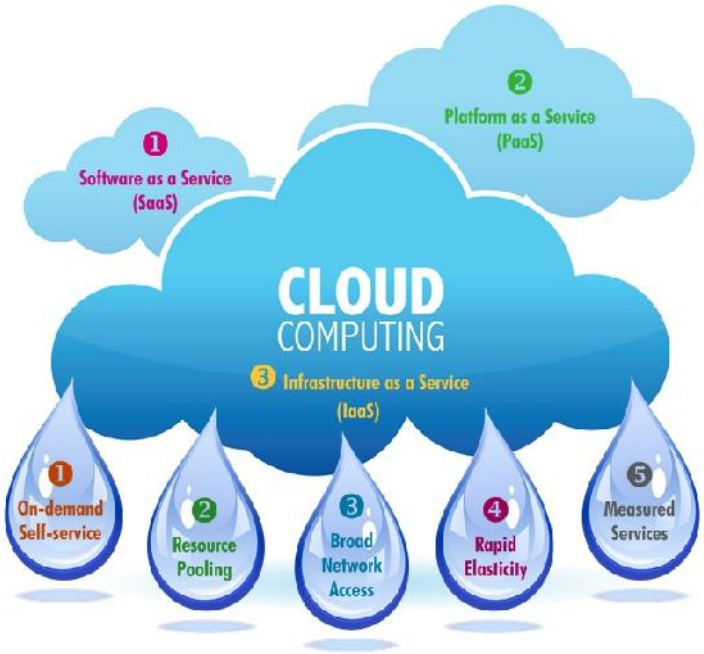
What do we mean by "The Cloud"?

- Hosted Service
- Cloud Computing



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Definition of "The Cloud"?

On-demand self-service	Establish, manage, and terminate services on your own, without involving the service provider
Broad network access	Use a standard Web browser to access the user interface, without any unusual software add-ons or specific operating system requirements
Resource pooling	Share resources and costs across a large pool of users, allowing for centralization and increased peak load capacity
Rapid elasticity	Leverage capacity as needed, when needed, and give it back when it is no longer required
Measured service	Consume resources as a service and pay only for resources used

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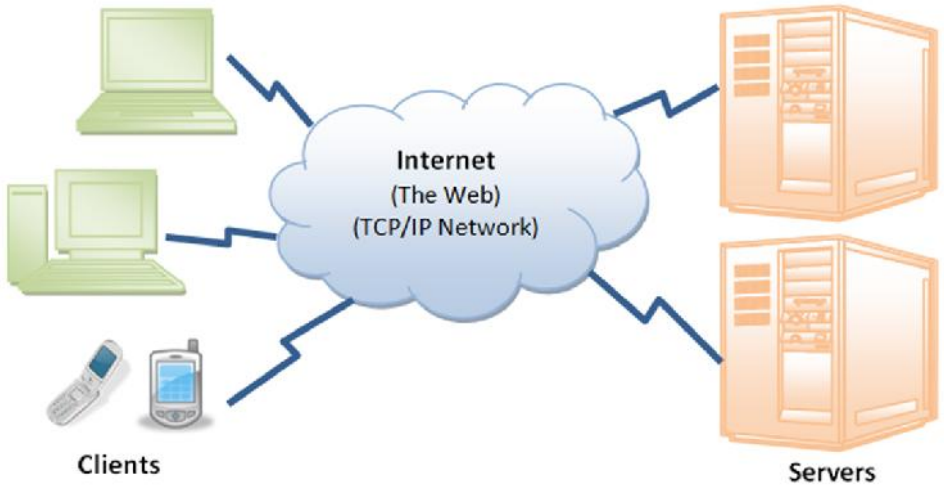
Cloud Options

- Infrastructure as a Service
- Platform as a Service
- Software as a Service



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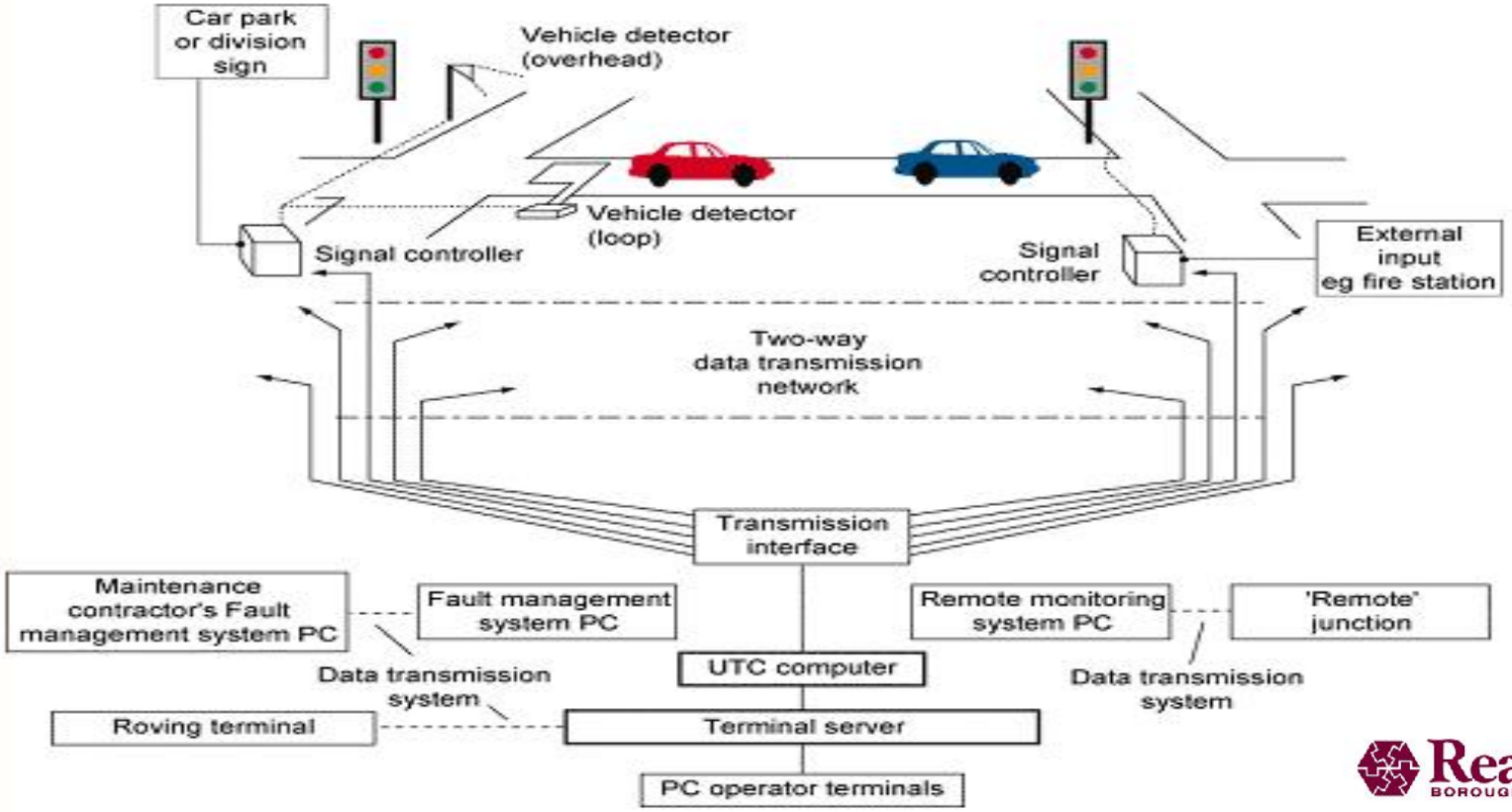
Communications

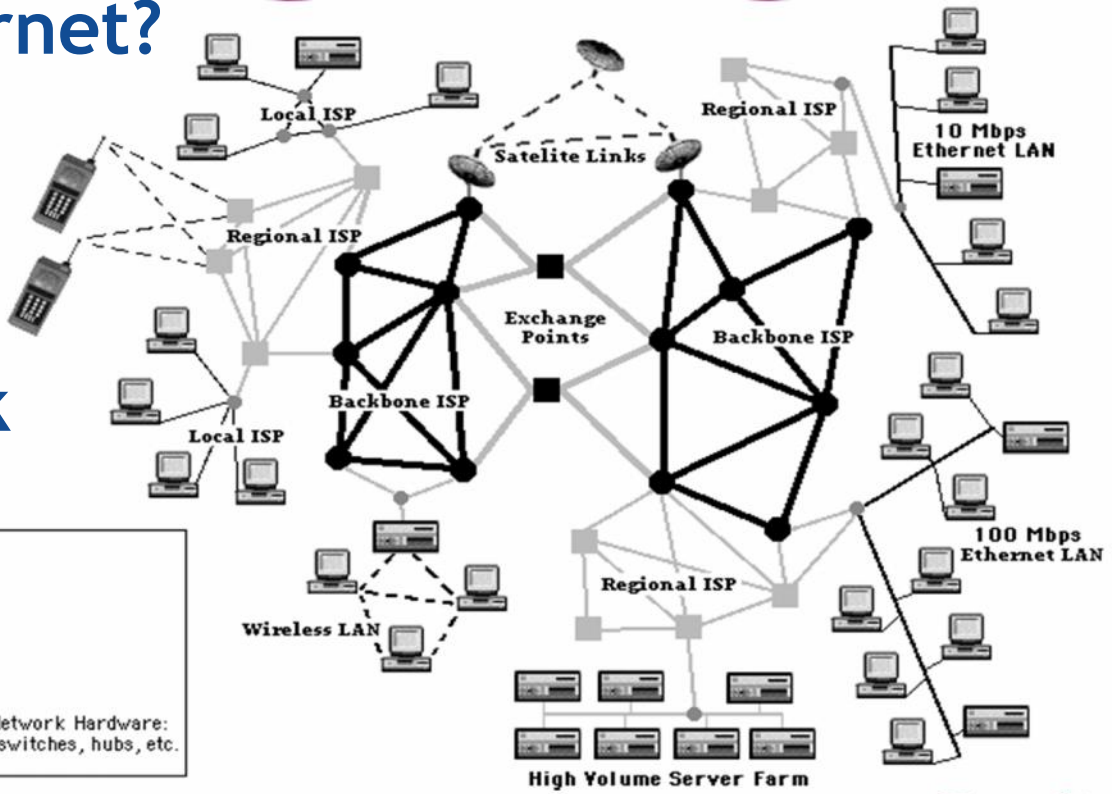
- Traditional UTMC communications based on dedicated point to point lines
- Developments have enabled the use of IP communications

What does it replace?



What is the Internet?

Mesh Network



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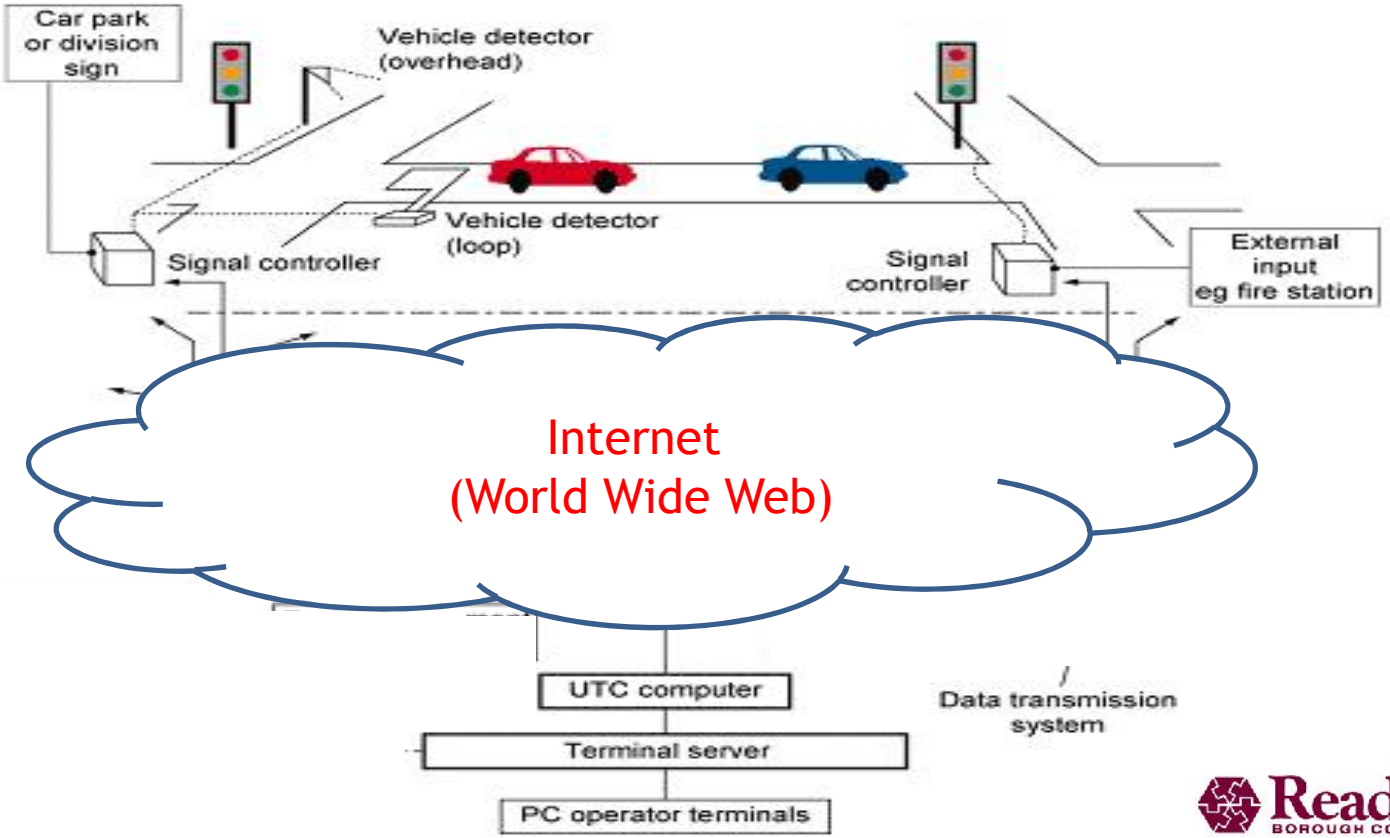

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Benefits

- Reduced Communication costs
  - Current estimates show up to 75% reduction
- Increased reliability / resilience
- Reduced need for technical support staff
- Reduced capital costs

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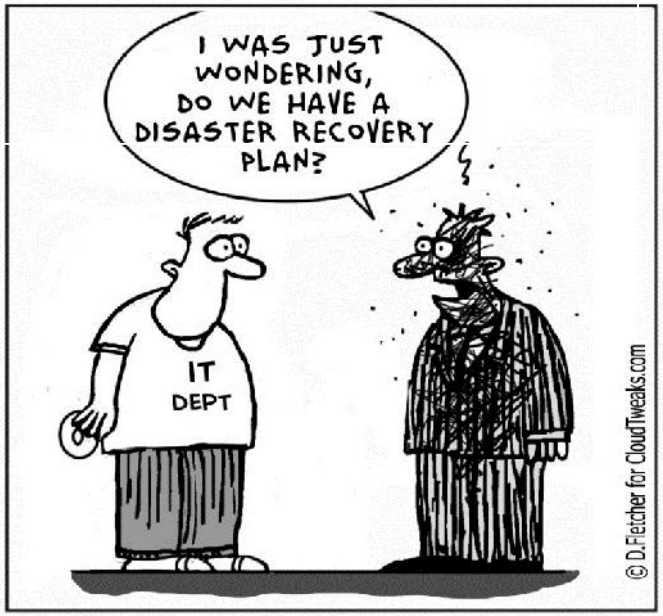
Disaster Recovery

- Traditional systems difficult to recover
- Cloud solutions have resilience built in.



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RBC Cloud

Platform as a Service:

- ODS
- Travel Live Website hosting

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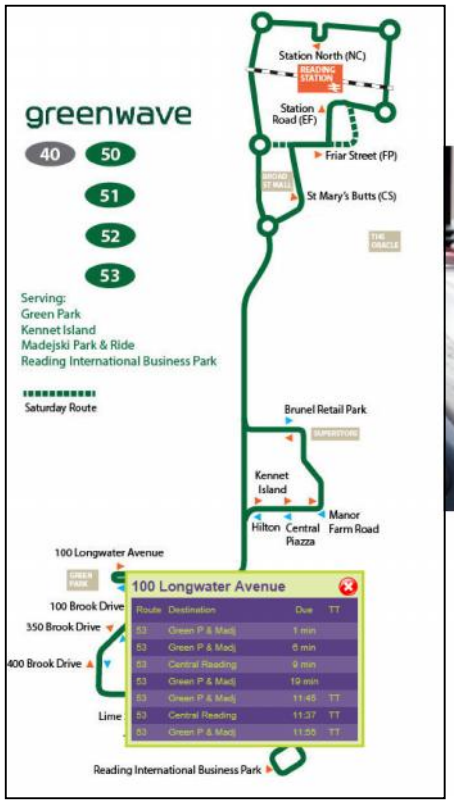
Hosted Services

- CCTV / ANPR based Bus Lane Enforcement
- Parking Enforcement
- RTPI



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Our Expectations

- More resilient system
- Cost efficiencies
- Enables resources to be more outward focused

The benefits of Open Specifications & Standards

Cloud

Promoting Innovation

- Scope for flexibility and evolution
- Simple structure to add new technology
- Working together LA's can provide market pull to drive industry
- Increase market size and new business areas

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Thank you for listening

Any questions?
(unfortunately I am unable to stay)

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