Qihoo 360: A Subversive Tiger in the Internet Jungle

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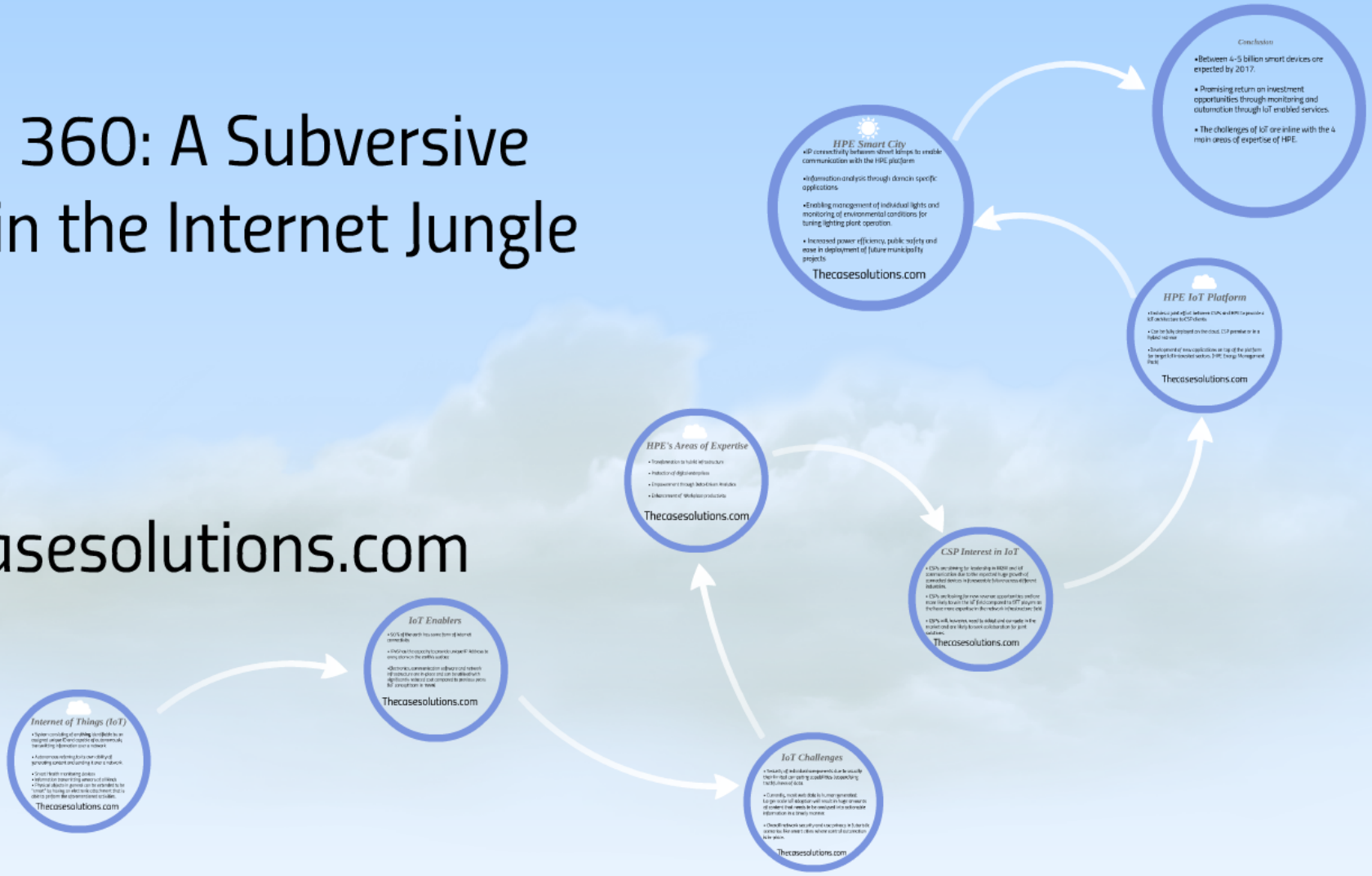

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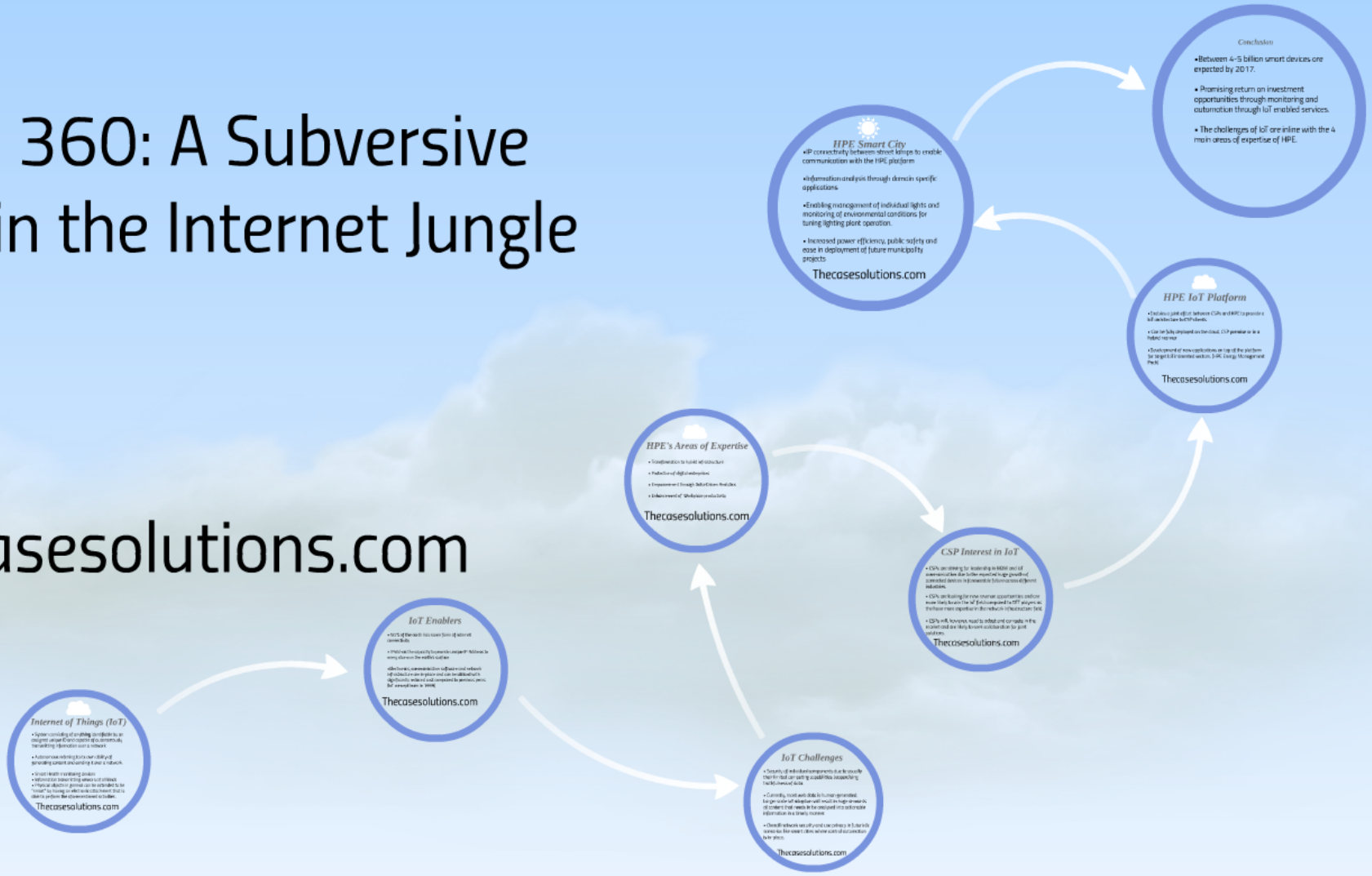

Internet of Things (IoT)

- System consisting of any**thing** identifiable by an assigned unique ID and capable of autonomously transmitting information over a network.

- Autonomous referring to its own ability of generating content and sending it over a network.

- Smart Health monitoring devices
- Information transmitting sensors of all kinds
- Physical objects in general can be extended to be "smart" by having an electronic attachment that is able to perform the aforementioned activities.

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IoT Enablers

- 90 % of the earth has some form of internet connectivity

- IPv6 has the capacity to provide unique IP Address to every atom on the earth's surface

- Electronics, communication software and network infrastructure are in-place and can be utilised with significantly reduced cost compared to previous years (IoT concept born in 1999)

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IoT Challenges

- Security of individual components due to usually their limited computing capabilities. Jeopardising truthfulness of data.

- Currently, most web data is human generated; Larger scale IoT adoption will result in huge amounts of content that needs to be analysed into actionable information in a timely manner.

- Overall network security and use privacy in futuristic scenarios like smart cities where control automation is in-place.

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HPE's Areas of Expertise

- Transformation to hybrid infrastructure
- Protection of digital enterprises
- Empowerment through Data-Driven Analytics
- Enhancement of Workplace productivity

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CSP Interest in IoT

- CSPs are striving for leadership in M2M and IoT communication due to the expected huge growth of connected devices in foreseeable future across different industries.

- CSPs are looking for new revenue opportunities and are more likely to win the IoT field compared to OTT players as the have more expertise in the network infrastructure field.

- CSPs will, however, need to adapt and compete in the market and are likely to seek collaboration for joint solutions.

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HPE IoT Platform

- Enables a joint effort between CSPs and HPE to provide a IoT architecture to CSP clients

- Can be fully deployed on the cloud, CSP premise or in a hybrid manner

- Development of new applications on top of the platform for target IoT interested sectors. (HPE Energy Management Pack)

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HPE Smart City

- IP connectivity between street lamps to enable communication with the HPE platform

- Information analysis through domain specific applications

- Enabling management of individual lights and monitoring of environmental conditions for tuning lighting plant operation.

- Increased power efficiency, public safety and ease in deployment of future municipality projects

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