

Cloud Computing for DHS/CBP: *Benefits and Challenges*



Science and
Technology

David Taylor
CBP Portfolio Manager
Office of Trade/Office of Field Operations
Department of Homeland Security
Science and Technology Directorate
David.Taylor@HQ.DHS.GOV
(202) 746-0383

DHS/CBP operates inspection applications in a secure cloud environment

Benefits:

- Safe and Efficient data storage integration across DHS/CBP
 - Potential integration across global customs agencies and partners
- Speed, Agility and Innovation: Safely develop and test new technologies without compromising the operational DHS/CBP Network
- Cost-effective
 - Economies of scale
 - Eliminates need to maintain uniformity of computer systems across the agency
 - . Less costly if data volumes fluctuate

Cloud Computing is the Future. Government agencies should embrace this.

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Challenges:

- Operational data is valuable/how do you leverage this data but protect it
- Handling massive amounts of data
 - Data must be structured
 - Not all data is equally shareable- Need to structure data into access levels for different users
- Requires new skillsets, expertise and training
 - Your government organization may not have this today
- Need to conform to standards, engage with compliance authorities
 - Compliance review process, including security assessments, can be lengthy
- Existing government policies may not consider use of the cloud