

NIST Strategy to Build a Cloud Computing Roadmap

Overview

Presented by Dawn Leaf

NIST Senior Executive for Cloud Computing

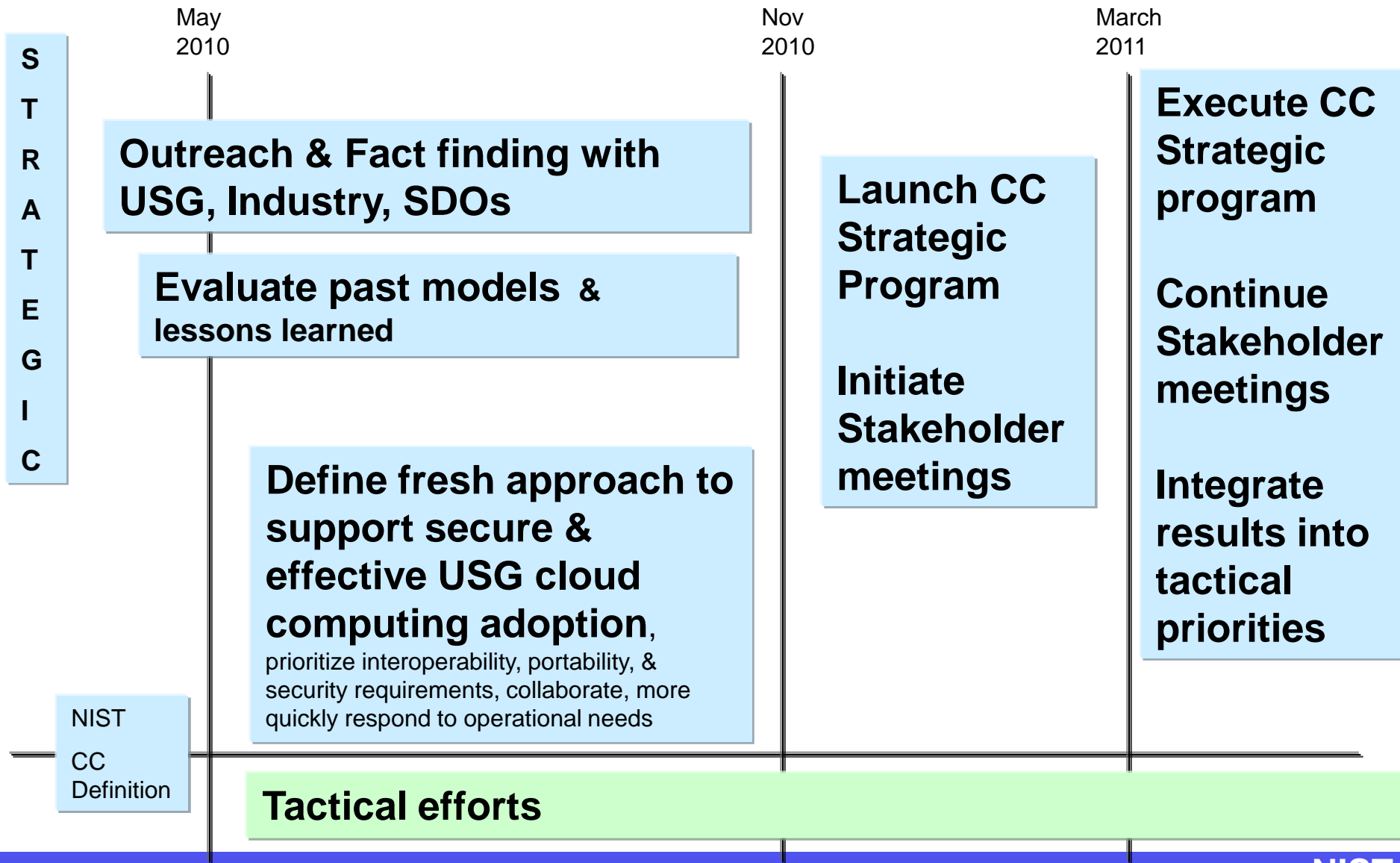
November 5, 2010

NIST Strategic Cloud Computing Initiative

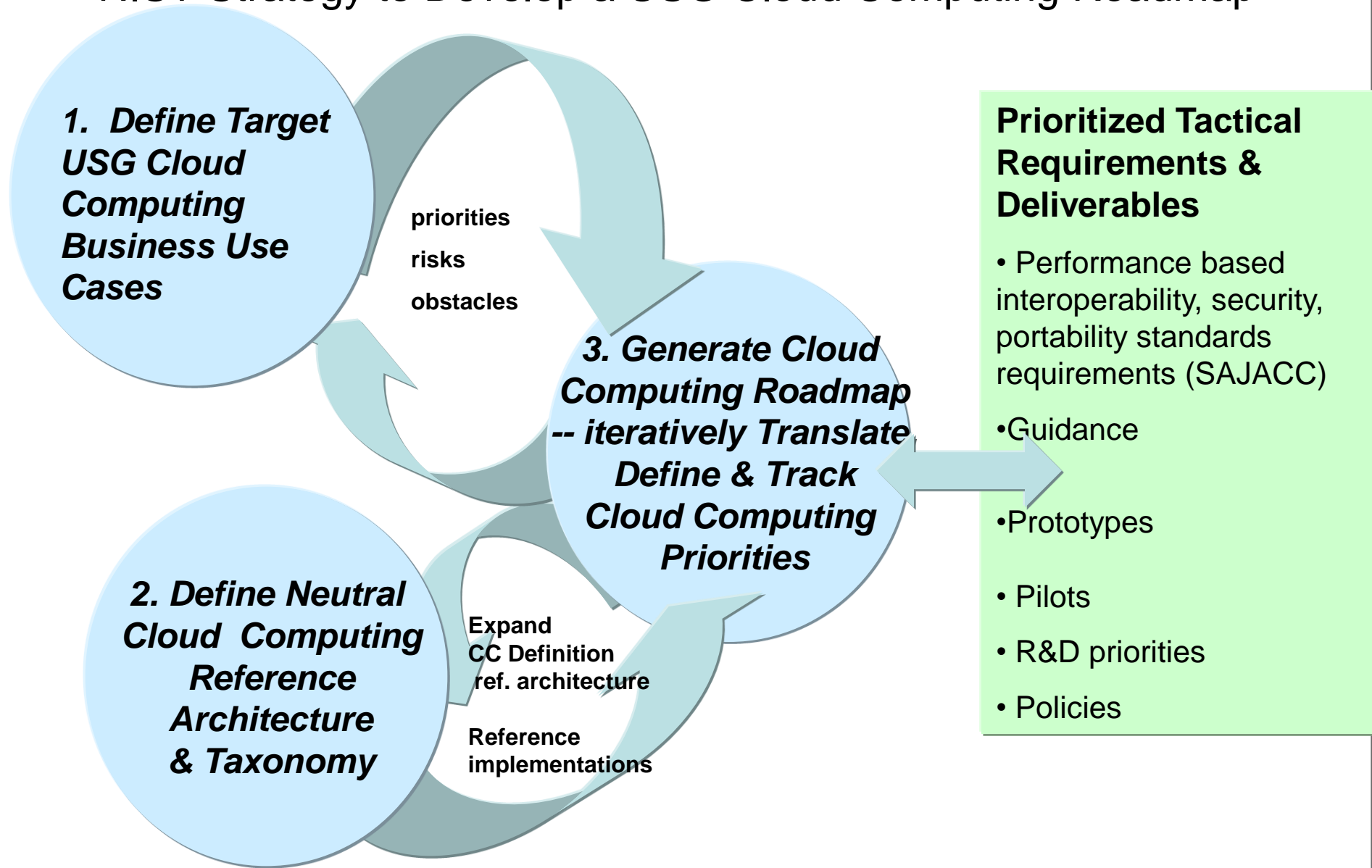
Goal:

**Collaborate with Federal Chief Information Officers,
Industry and Standards Developing Organizations to
define a USG Cloud Computing Roadmap**

NIST Strategic Cloud Computing Program Timeline



NIST Strategy to Develop a USG Cloud Computing Roadmap



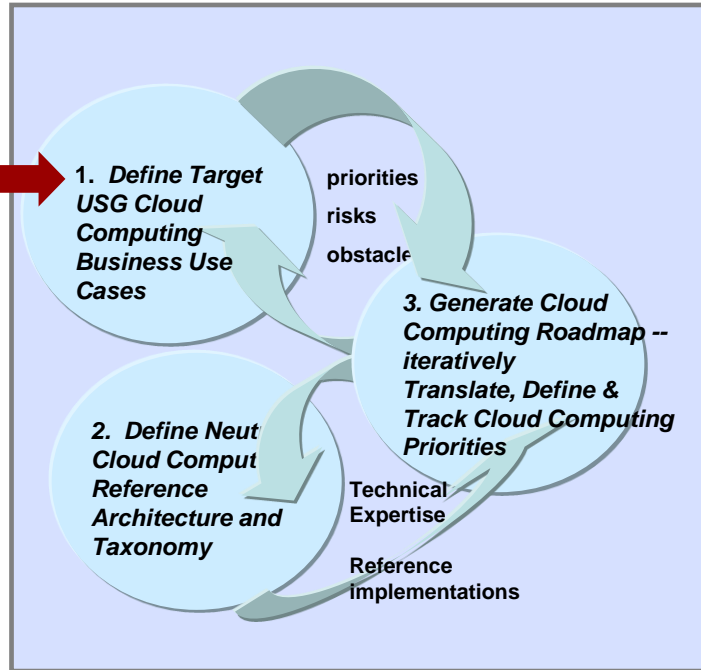
Concepts to start the Dialogue – Strategy to Collaboratively Build & Track a Cloud Computing Roadmap

Step 1 Deliverable

USG "Target" Business Use Cases

USG use	SaaS	PaaS	IaaS
Pub	X	X	X
Hyb	X	X	X
Com	X	X	X
Priv	X	X	X

How to build a roadmap



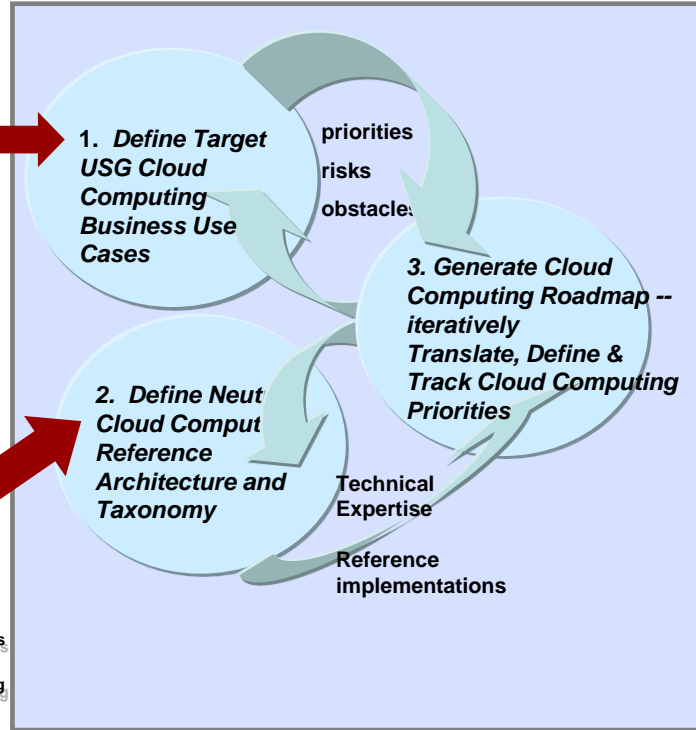
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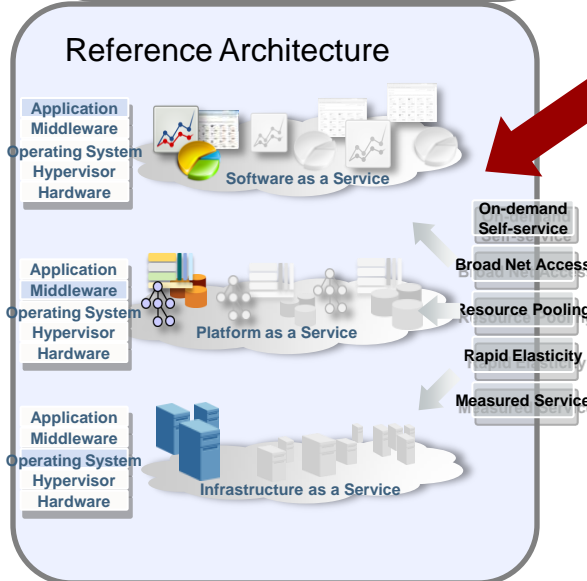
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Step 2 Deliverable



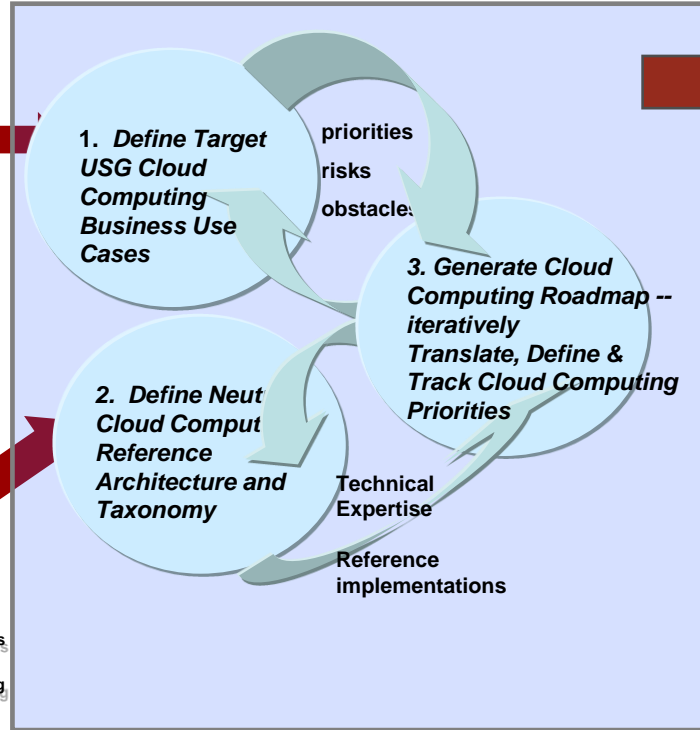
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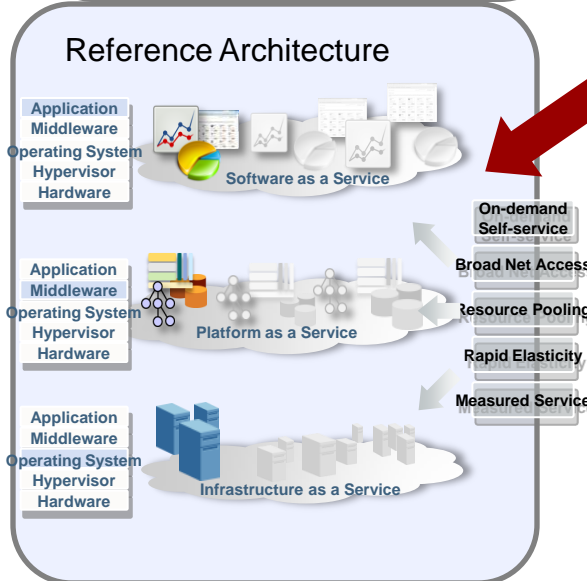


A. Periodically Revised Cloud Computing Roadmap document

B. "Living" (continuously updated) Prioritized Requirements for Tactical Deliverables

- Performance based interoperability, security, portability standards
- Guidance
- Policies
- Acquisition
- R&D
- Prototypes
- Pilots

Step 2 Deliverable



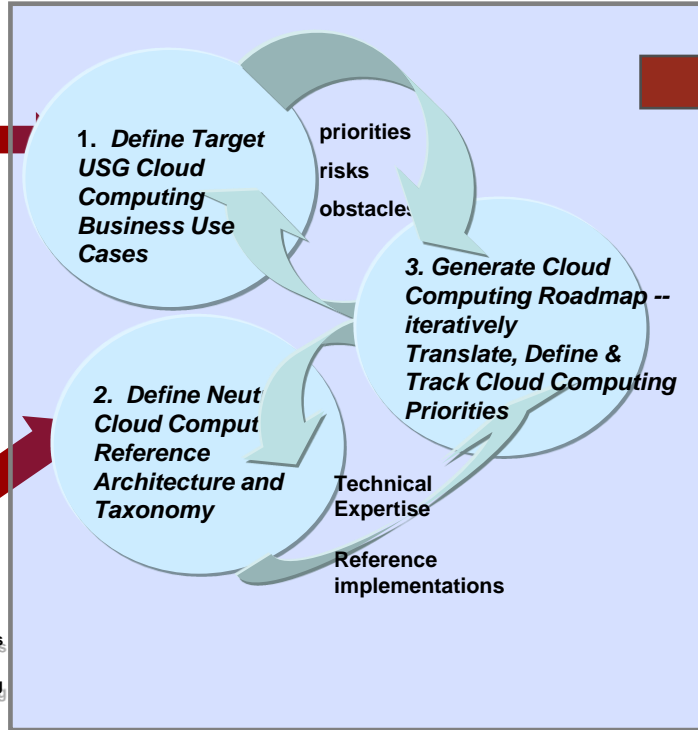
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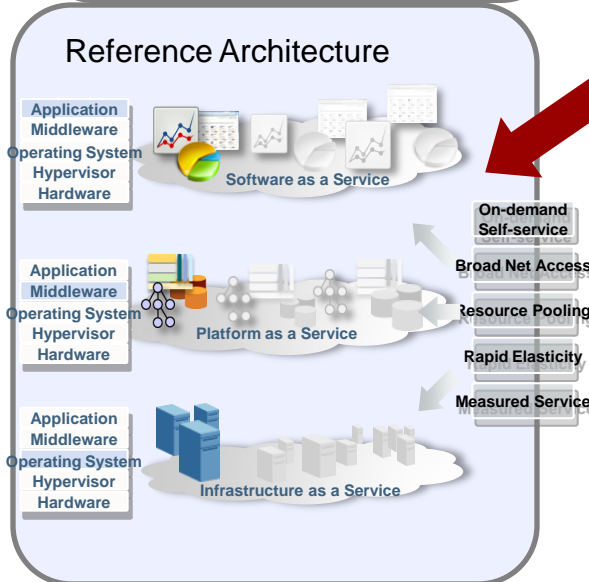


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Step 2 Deliverable



12-MONTH GOALS

Sept 2010 – Sept 2011

- | | |
|-------|---|
| Sept | Define Strategy Concept |
| Nov | Initiate Stakeholder meetings |
| March | Execute – Develop V1 Business Use Cases, Ref Architecture & tactical priorities |
| Sept | Generate V1 Roadmap Document
Assess Results |

Getting to Work -- November 5 Workshop

All of the breakout sessions relate to a strategic or tactical effort

TRACK	AM	PM
<i>Strategic</i>	USG Business Use Cases	Reference Architecture
<i>Standards</i>	Cloud Standards	SAJACC
<i>Adoption Considerations</i>	Security	Applications & Issues

Getting to Work – Proposed “Rules” of Engagement based on Lessons Learned

Voluntary Participation – working groups meet weekly (telecon); facilitated by NIST, email list, NIST published minutes; NIST hosted TWiki site

Initial Working Groups focused on USG Target Business Use Cases & Neutral Reference Architecture

Sub-groups formed based on discussion topics raised in stakeholder meetings; sub-group leads not limited to NIST staff

“Roadmap” will be NIST issued document; public domain; all participants credited and listed in document

Work and deliverables driven by consensus; general scope (goal is set of tactical priorities for standards, guidance, R&D); USG agency coordination under the cognizance of the Federal CIO Council CC exec steering committee, CCAC working groups

Please don't hesitate to make suggestions & ask questions in the two key stakeholder meetings today (NIST lead for USG Target use cases Kirk Dohne; NIST lead for Reference Architecture Bob Bohn)

Future Contact and Information

- Main Site: <http://www.nist.gov/itl/cloud/>
- Slides from 11/4 and 11/5:
<http://www.nist.gov/itl/cloud/cloudworkshopii.cfm>
- Sign up sheets for cloud based activity mailing lists at registration desk.
- Twiki Signup at registration desk or send email to: cloudfeedback@nist.gov