NIST MULTICLOUD SECURITY PUBLIC WORKING GROUP (MCSPWG)

Dr. Michaela Iorga

Chair, Cloud Security and Forensics WGs
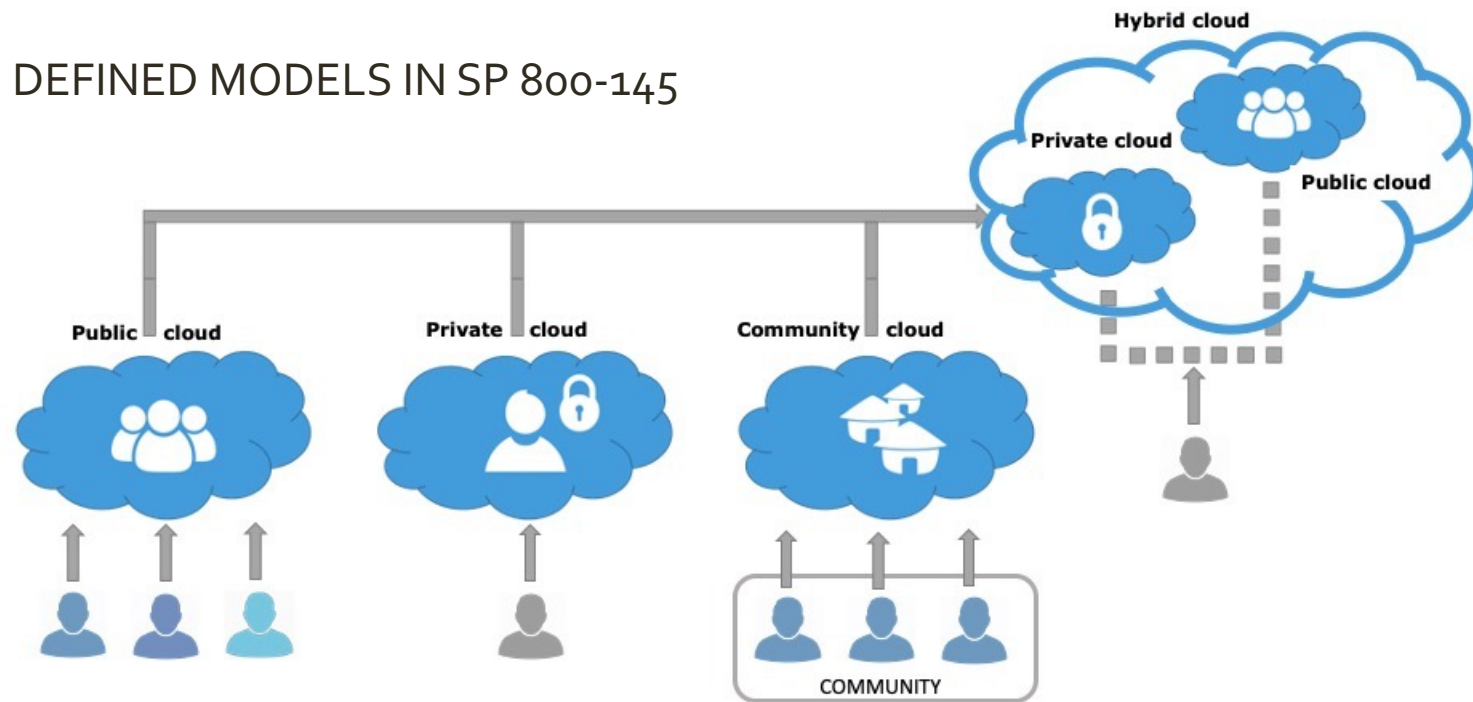
Agenda

1. Background
2. Charter
2. CONOPS
3. Co-Chairs Introduction
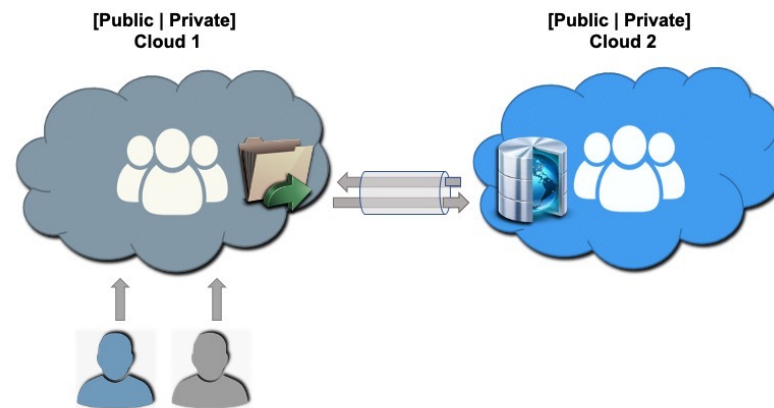4. Multi-cloud Definition vs Patterns –
   Why is it important to us.

Background

DEFINED MODELS IN SP 800-145

EMERGING MODEL

MCSPWG Charter

Available at: https://csrc.nist.gov/Projects/mcspwg/mcspw-charter
A LOT OF DETAILS !

❑ The purpose of the Multi-Cloud Security Public Working Group (MCSPWG) is to provide a **forum** in which participants from the public, including private industry, the public sector, academia, and civil society discuss the security and privacy risks and research guidance and best practices of implementing and using multi-cloud services.

❑ The NIST MCSPWG is a subsidiary of the NIST Cloud Security public working group and will focus the research on particular cloud computing architectures referred to as multi-cloud solutions, that connect services from more than one cloud service providers. The work will aim to:

➢ identify the **challenges** of implementing secure multi-cloud systems and
➢ develop **guidance and best practice** for mitigating the identified challenges.

NIST
MCSPWG

MCSPWG CONOPS

- MCSPWG is led by Co-Chairs

- Project Team Lead(s) to lead on identified topics and report to the PWG.

- MCSPWG will not be providing any formal recommendations to the federal government.

- All participants are to subscribe to the mailing list (see overview https://csrc.nist.gov/projects/mcspwg) to receive MCSPWG official communication.

- MCSPWG meets every two weeks on Monday at 3PM ET for an hour.

- MCSPWG Co-Chairs are to provide meeting agendas and minutes (see MCSPWG Charter https://csrc.nist.gov/Projects/mcspwg/mcspw-charter)

Open Call for Collaboration

"NIST calls on all its collaborators to join the Multi-Cloud Security Public Working Group (MCSPWG) to document the challenges, and research mitigations and best practices for secure deployment of multi-cloud service solutions. "

NIST
MCSPWG

MCSPWG CO-CHAIRS

(in alphabetical order)

JOSHUA BREGLER

Head of Information Security, Public Sector and Healthcare
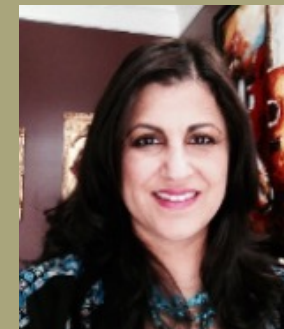
McKinsey

NED GOREN

IT Specialist

NIST

CHRIS HUGHES

Co-Founder and CISO

AQUIA

Dr. NIDA DAVIS

Security Architecture

Director

Microsoft

ANNIE SOKOL

IT Specialist

NIST

https://csrc.nist.gov/Projects/mcspwg/leadership

| MCSPWG TEAMS	ZTA-ICAM	ZTA-AC	RM-ATO	RM CON-MON	TIC 3.0
	Identify challenges of implementing Identity and Authentication Capabilities that meet ZTA principles in a Multi-Cloud solution	Identify challenges of implementing Access Control Capabilities that meet ZTA principles in a Multi-Cloud solution	Identify challenges of managing risk and authorizing to operate a Multi-Cloud solution	Identify challenges of managing risk and continuously monitoring a Multi-Cloud solution	Identify challenges of meeting the TIC 3.0 requirements in a Multi-Cloud solution

Multi-Cloud Definition vs. Patterns

NIST MCSPWG
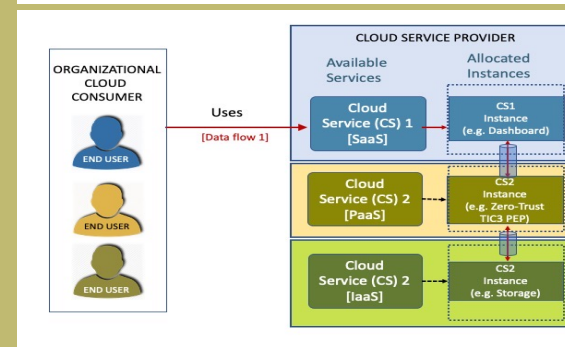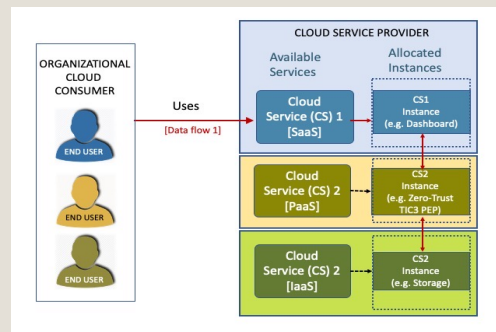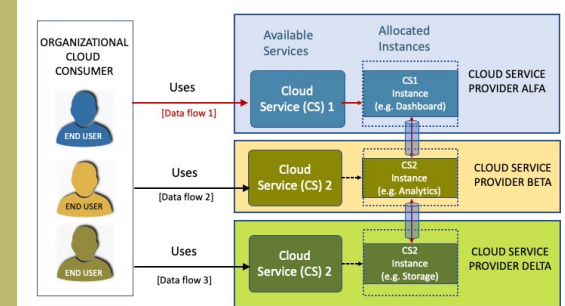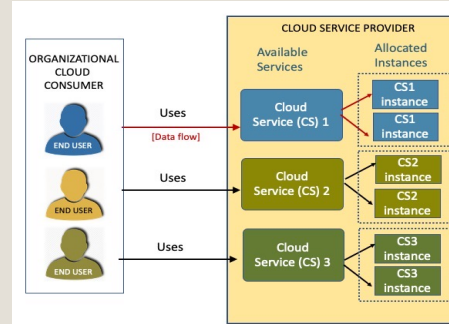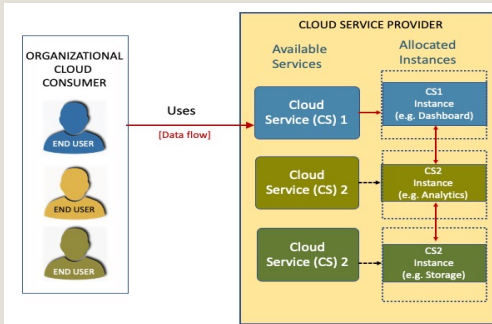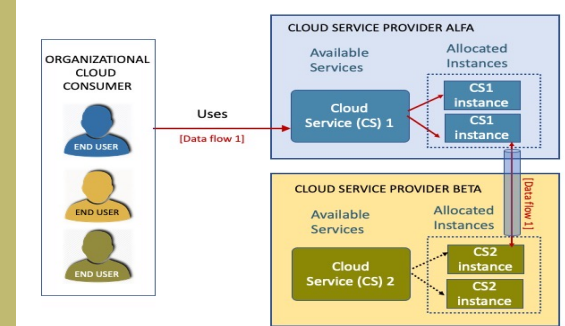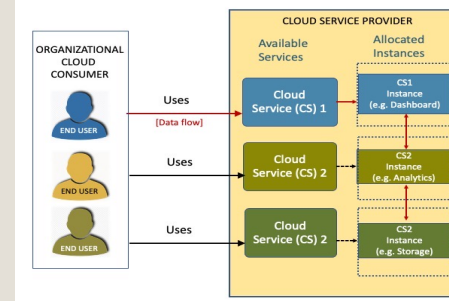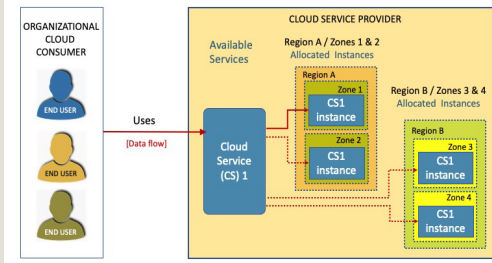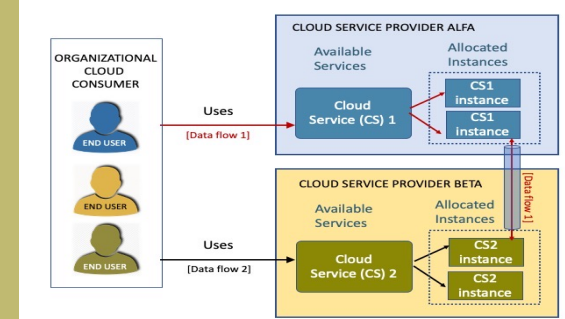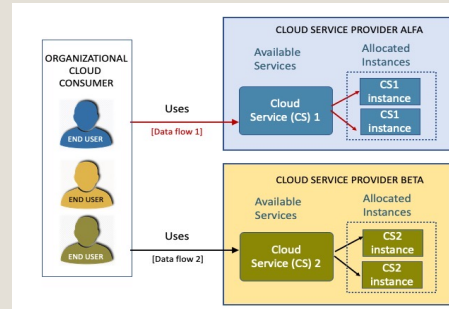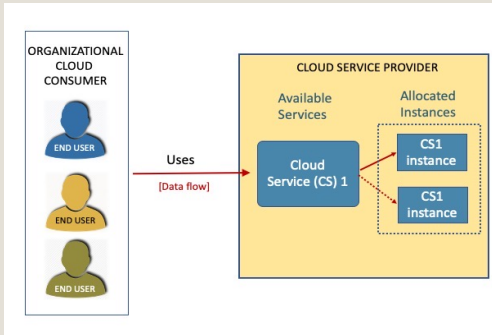
Questions?

THANK YOU!

mcsec@nist.gov