Integration Examples of DECADE System

draft-ietf-decade-integration-example-02
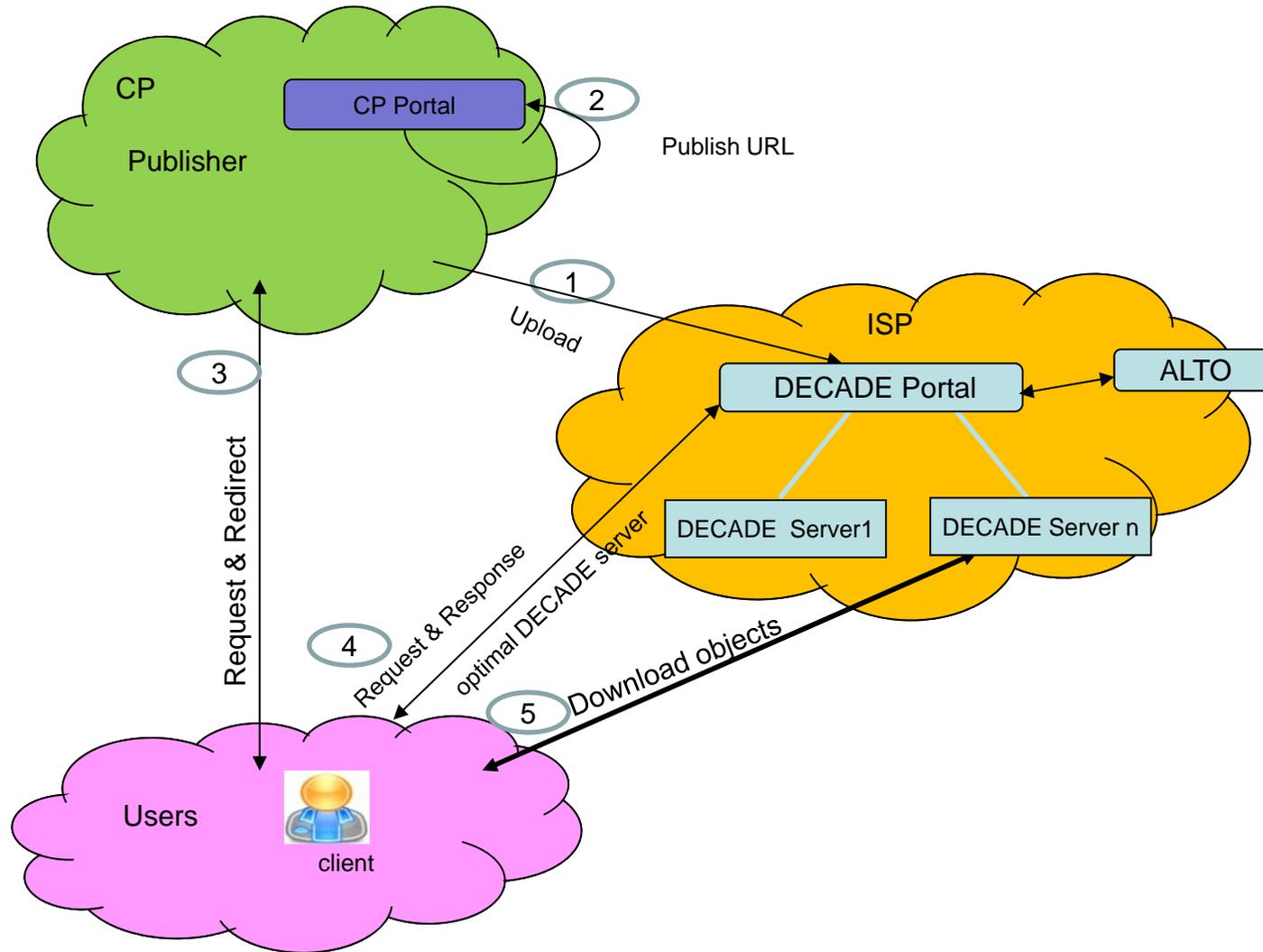
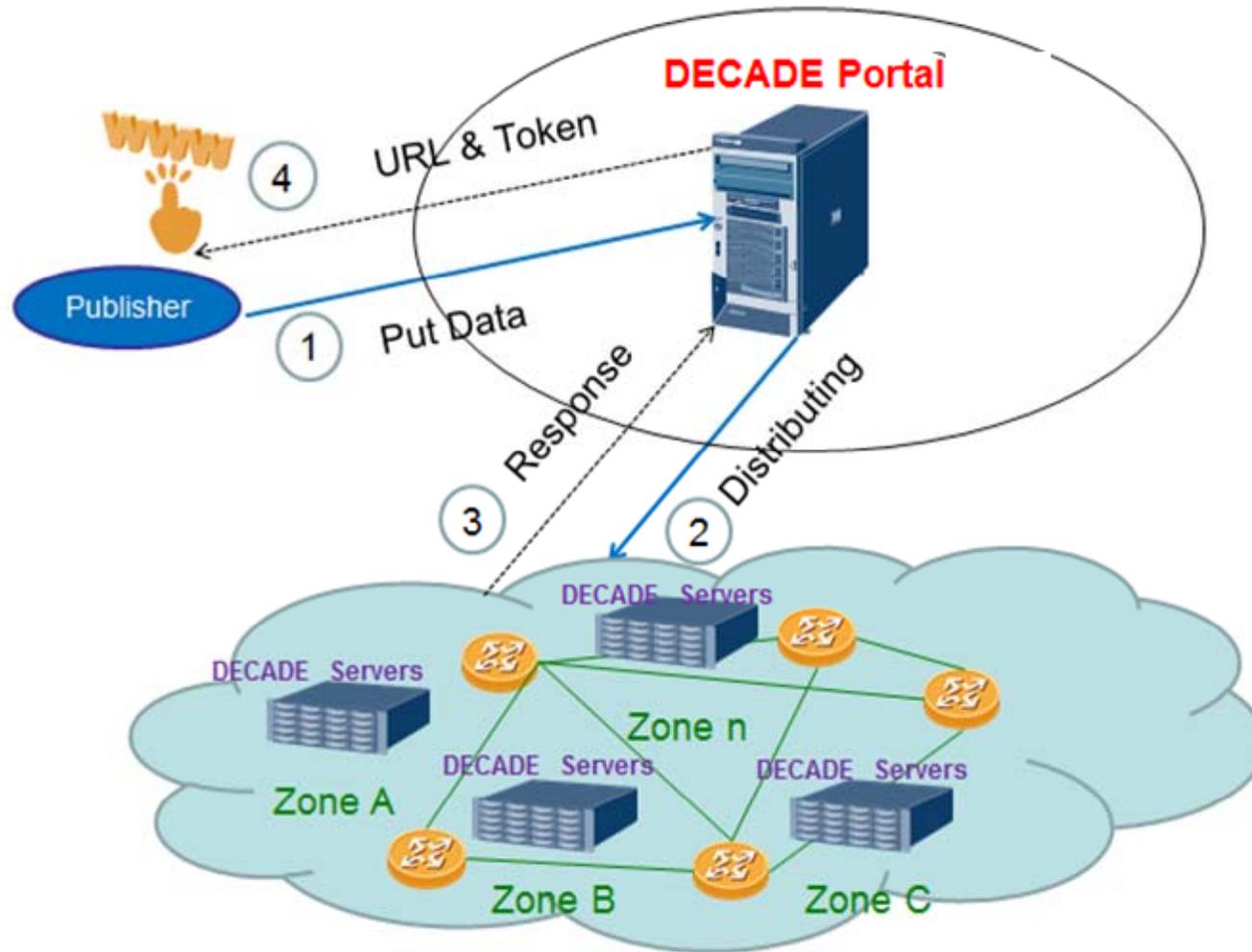Presenter: Danhua Wang

Changes since version -01

- Add a new integration example on distribution platform using DECADE and ALTO, to the existing integration examples of P2P file-sharing and streaming.
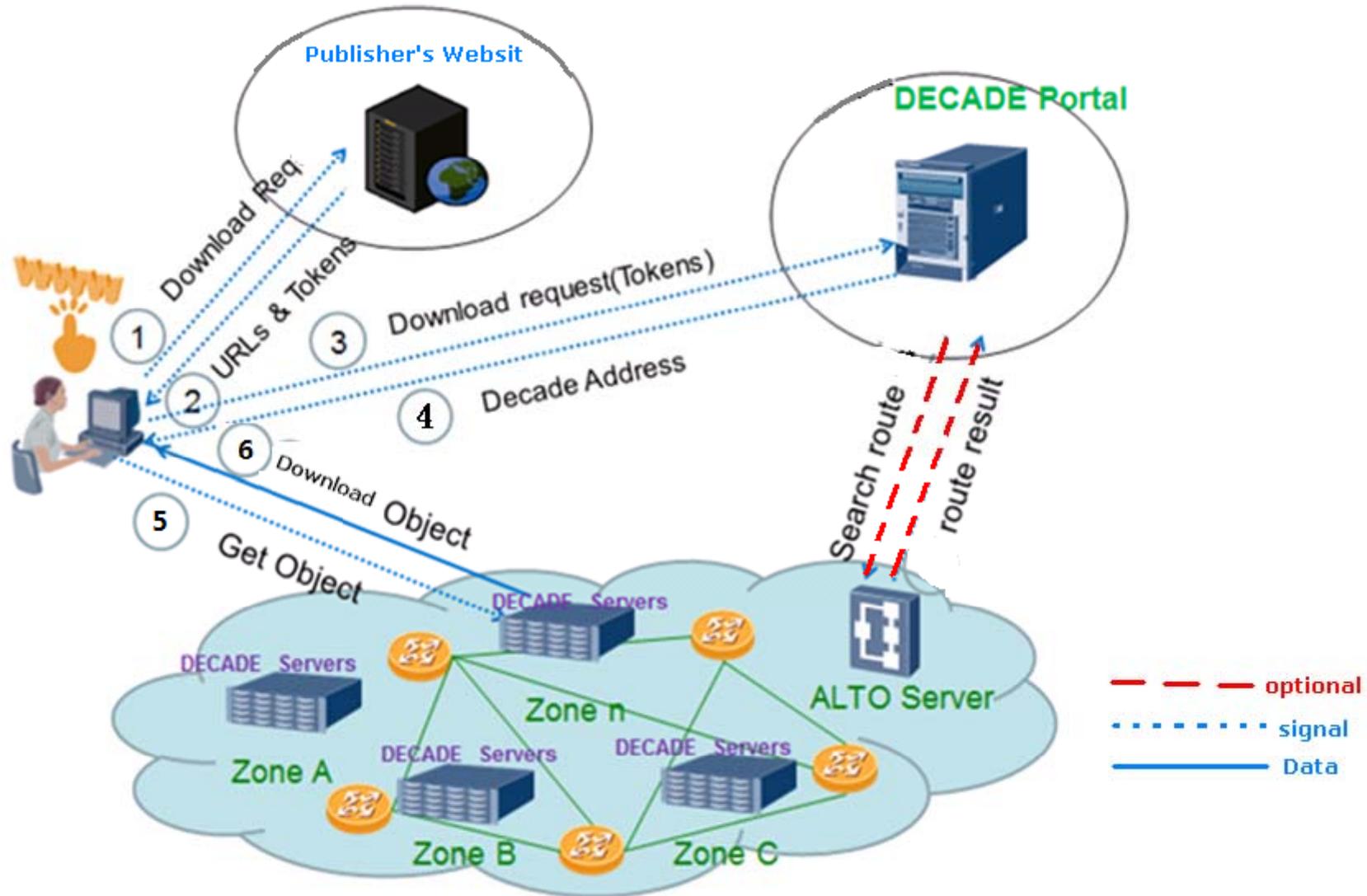
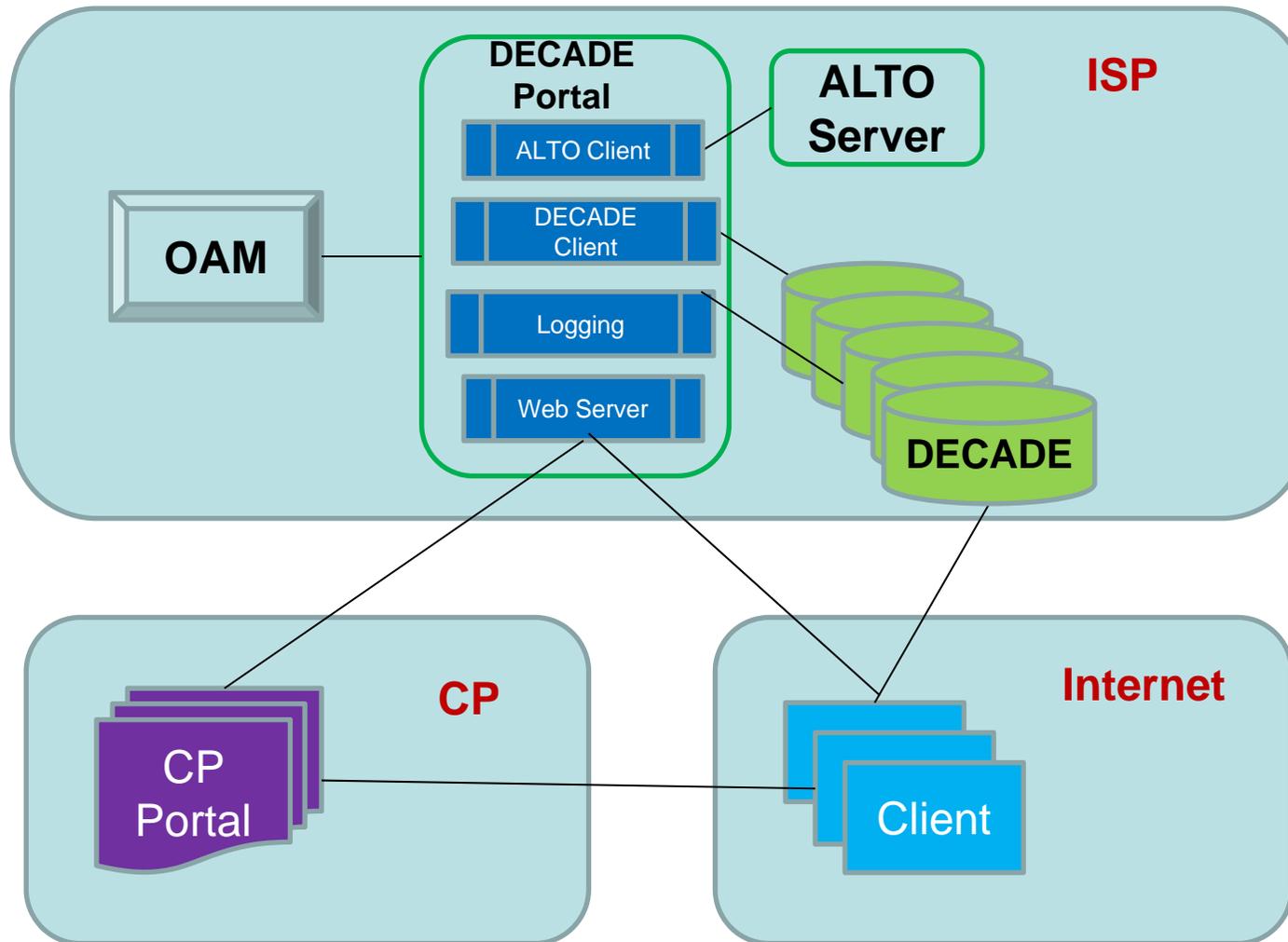Need the WG's feedback

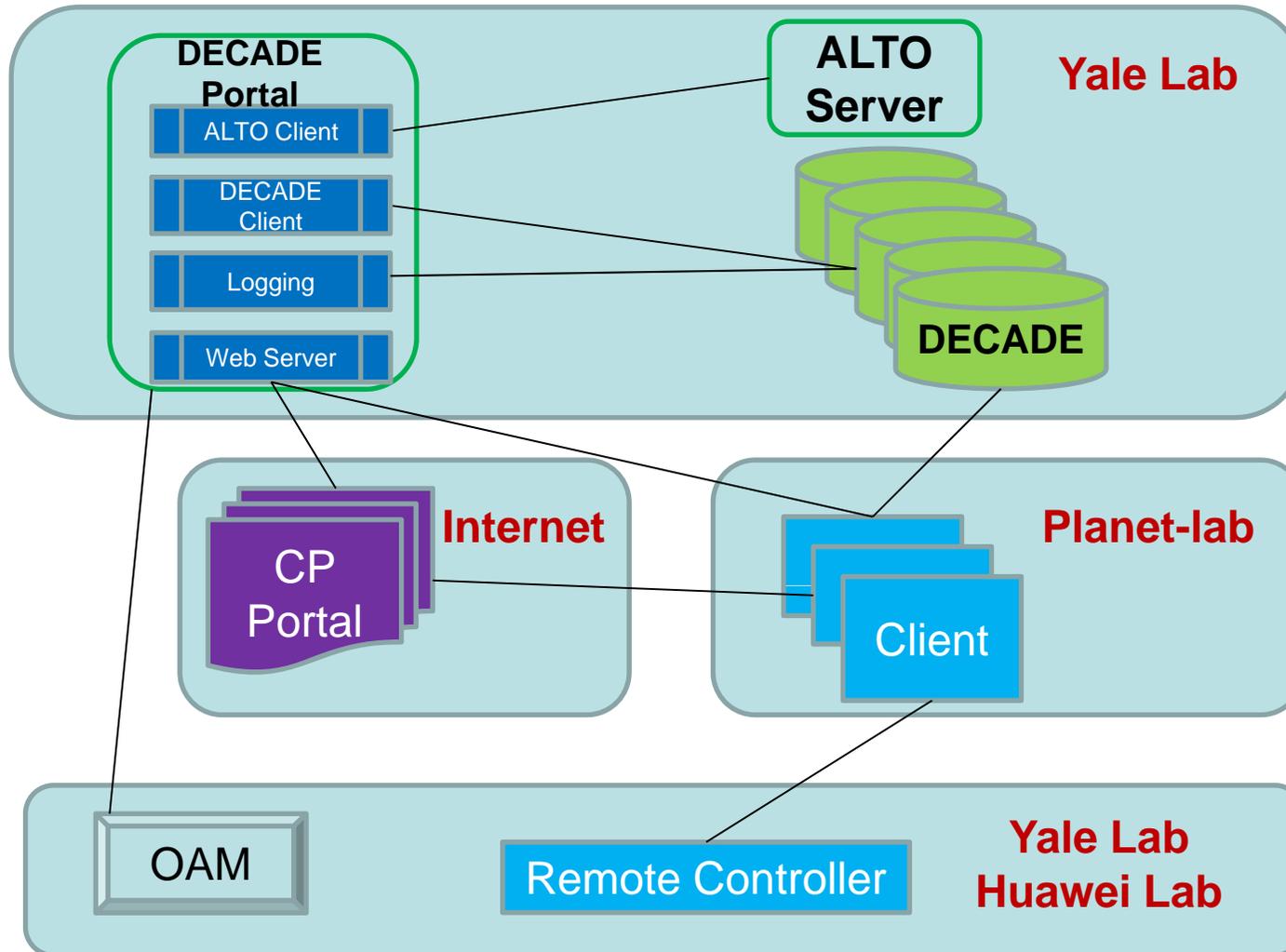# Integration Overview

File Uploading Flows

File Downloading Flows

Experiment Settings in ISP test

Experiment Settings in Lab

Experiment environment

component	hardware	OS
DECADE Portal	CPU: 2GB Mem: 2GB Disk: 10GB network interface card:1000Mbps	Linux 2.6
CP Portal	CPU: 2GB Mem: 2GB network interface card:1000Mbps	Linux 2.6
DECADE Server	CPU: 2GB Mem: 4GB Disk: 10GB network interface card:1000Mbps	Linux 2.6
OAM	CPU: 2GB Mem: 2GB	Linux 2.6

Result and Analysis

	Experiment Result
Network navigation	Can locate the optimal decade server to speedup downloading
Online user	Each DECADE Server can support about 400 concurrently download as designed
Bandwidth supply	Each DECADE Server can supply transmit bandwidth as much as 94% of network interface card at most (eg. 1000M interface card server can supply bandwidth of 940Mbps at most)

THANKS!