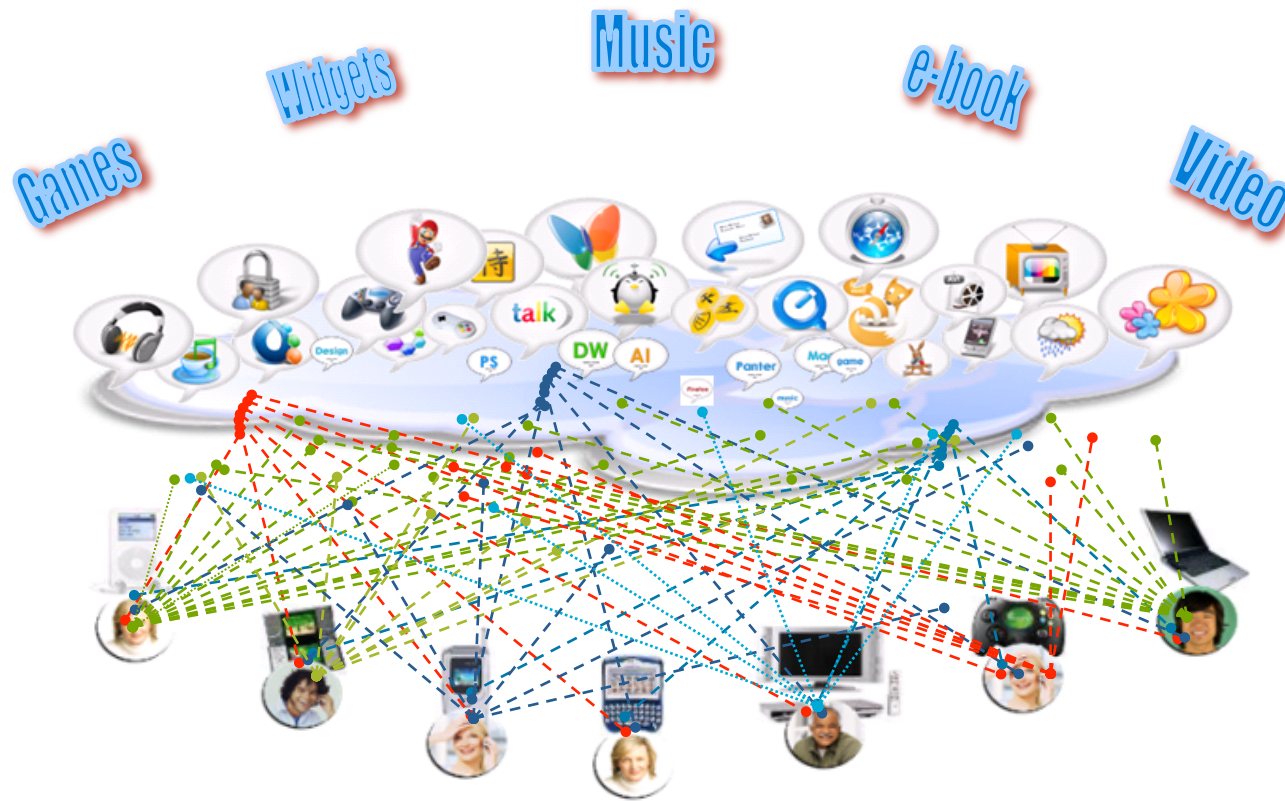# Virtualized Applications
--Problem Statement

draft-li-appsawg-virtualized-application-protocol-01

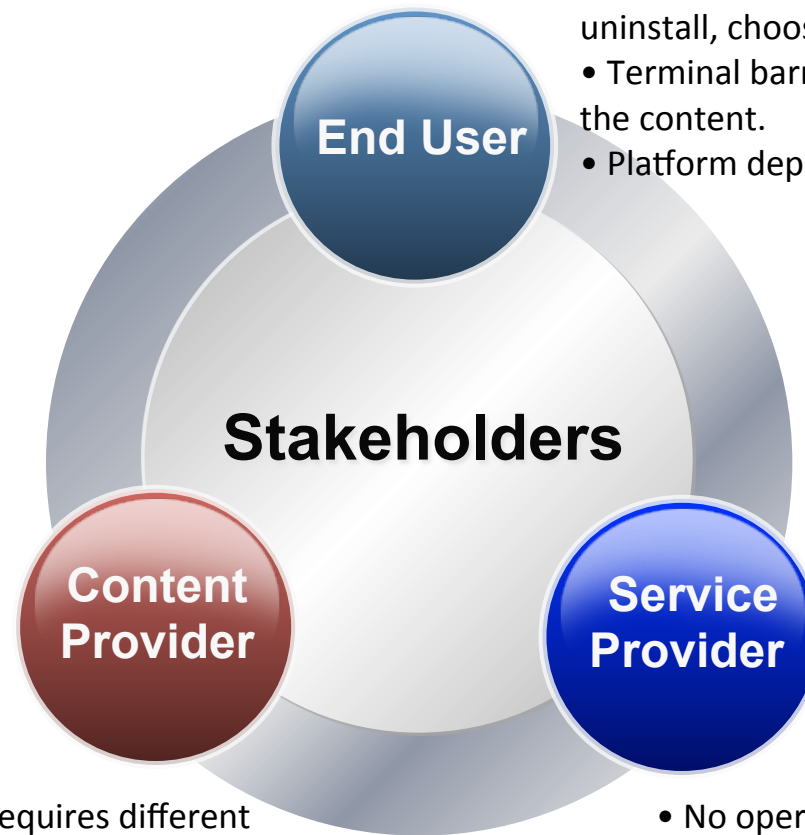Kepeng Li

Problem Statement(1)

X terminals, Y operating systems = X*Y instance of single application
Z application = (X*Y)*Z applications.

Problem Statement(2)

Stakeholders
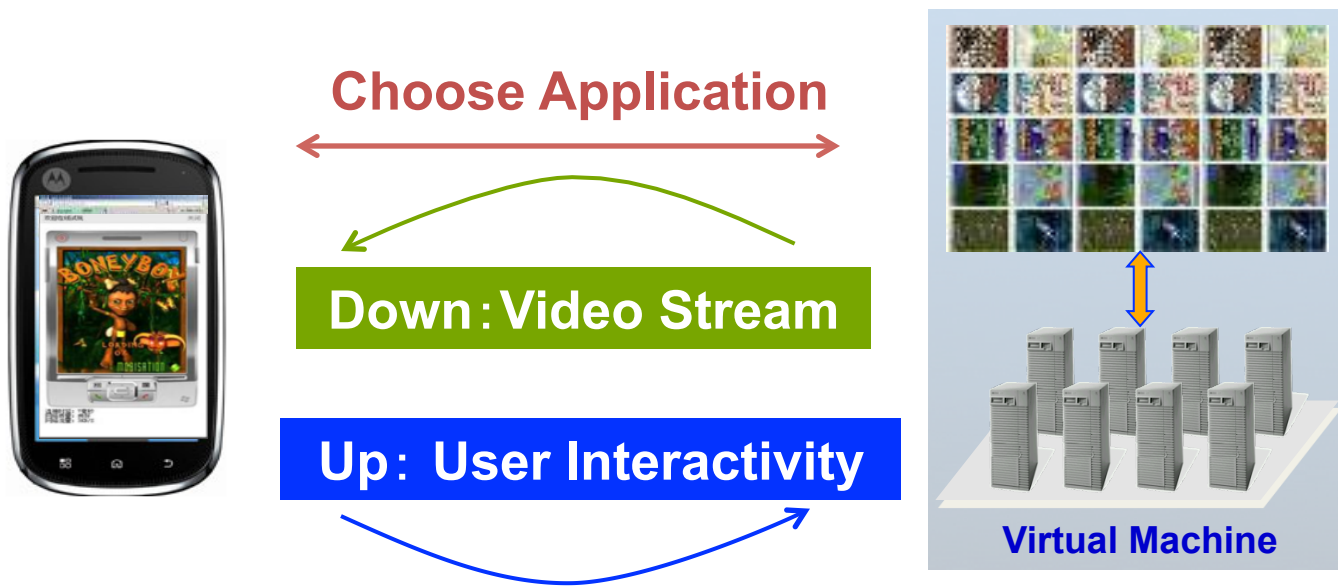
End User

Content Provider

Service Provider

• Content selection fatigue: choose, download, install, uninstall, choose, download, ...
• Terminal barrier: Low profile terminals can't avail all the content.
• Platform dependent content.

• Multiple mobile platform requires different compliant content

• No operator involvement
• Troublesome operator resources usage

Virtualized Application Concepts

Choose Application

Down：Video Stream
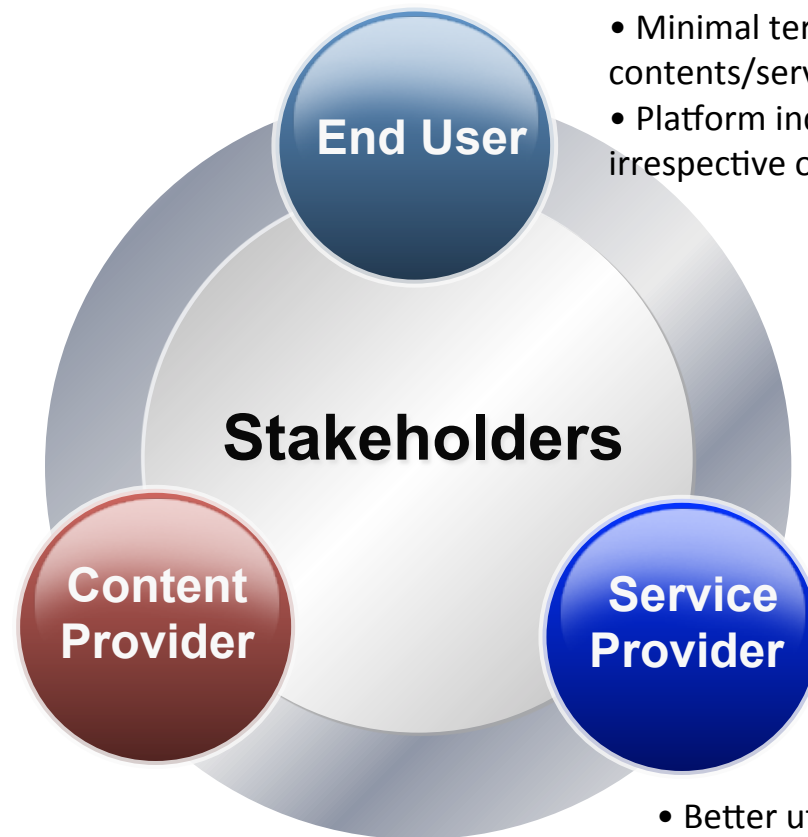
Up：User Interactivity

Virtual Machine

User Interactivity: screen coordinate, mouse action (left click, right click, scroll down, scroll up), keyboard keys, compass, etc.

Use Cases

- ✓ Online Application Trials

- ✓ OS-independent Application

- ✓ Application Session Suspend Resume

Advantages with Virtualized Applications

Stakeholders

End User
- Ease of consumption: online try-outs.
- Minimal terminal barrier: remote execution of contents/service.
- Platform independency: use of content/service irrespective of platform.

Content Provider
- Create ones for everyone.

Service Provider
- Better utilization of network resources to augment various content/services.
- Better content screening (regulatory req.)

Next Step

✓Call for interest parties