Unique Deployment Challenges for Mobile Video in the Enterprise

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NASA TV Distribution Architecture

◆ Three Programmed Channels: NTV-1 (Public), NTV-2 (Education), NTV-3 (Media)

  ♦ Playout to Satellite AMC-18, to Ustream (2 Mbps), and to Limelight (1 Mbps, 400 kbps, 200 kbps)

  ♦ Embedded JW Player configured for HLS via Flash or native HLS, or Ustream player.

◆ Space Station View (1.2 Mbps) and HDEV (2.5 Mbps) are web only

  ♦ Ustream (http://www.ustream.tv/channel/live-iss-stream and http://www.ustream.tv/channel/iss-hdev-payload)

◆ Support event streaming as well

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Internal Video Distribution

◆ Mostly Broadcast video distribution between Centers

◆ Centers have traditional cable and/or IPTV to TVs and Desktops.

◆ Mobile support is spotty to date

  ♦ Support public content for mobile

  ♦ Some locations down-convert conventional or IPTV for streaming

◆ Issues:

  ♦ Cost

  ♦ Accessibility

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Other NASA Video Content

◆ Main NASA site is best for finding topical public content:

  ♦ http://www.nasa.gov/multimedia

◆ YouTube is primary for public on-demand video:

  ♦ http://www.youtube.com/nasa

◆ Working on central location to find/browse NASA imagery

  ♦ http://nasaimages.org