NEP Australia's full IP remote production model powered by EVS technology

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WHERE DID IT COME FROM?

Australia is a big country
- Causing high travel costs for crew
- Not possible to work one day after the other

Operators are not in the same city
- Multiple hubs where needed to have the staff at these locations
HOW DID THEY DO IT?

/ IP is the enabler

/ A 50Gb backbone has been build to facilitate this
  • Between venues and the 2 hubs
  • Providing flexibility so anything can be anywhere in mind
HOW DID THEY DO IT?

2 Hubs were built

- Sydney
- Melbourne
TO MAKE IT FLEXIBLE – WHAT DID EVS SUGGEST

SYDNEY HUB

MELBOURNE HUB

I/O Cluster

I/O Cluster
WHAT DOES IT BRING

/ One big I/O cluster (resources sharing)
  • any signal on the network can go anywhere
  • This is for regular flows
  • Character outputs for monitoring
  • Internal Multiviewer of every server
  • IP Network between servers (File based + XNet)

/ Doesn’t matter if it’s in Melbourne or Sydney

/ Here we use ST-2110
  • Ember+ (VSM Control)
  • PTP reference
DISCONNECT THE CONTROL ROOM

/ Any control room can be linked to the I/O cluster
   • Doesn’t matter if the I/O is in another city or even venue

/ The control room has different interfaces
   • Controller
   • User Interfaces for Replay
   • User Interfaces for Media Management

/ All these interfaces have been adapted to assign them to specific servers or environments that the people in the control room need access to
DISCONNECT THE CONTROL ROOM

In addition to the control rooms in Melbourne and Sydney there is also still equipment in the trucks:
- Backup server
- Backup switcher
- Camera control
- Audio console
- ....

And staff that can take control in the venue, in case there would be something on the connection between venue and control room.
CONCLUSION

/ The I/O cluster is a big shared cluster of backend resources

/ The flexibility of the setup allows them to turn around productions faster and easier than before.

/ They travel less people around and be more productive then before

/ EVS provides part of the solution, so it’s not the full setup but by using IP and a good collaboration between vendors we come to the best of breed solution.
QUESTIONS?
THANK YOU

To learn more about EVS go to www.evs.com
Search for EVS Broadcast Equipment on