**anonymous morphed into chin.qinjin(Huawei)**

**anonymous1 morphed into Frank Leymann (IBM)**

**Frank Leymann (IBM):** Richard, would please send the dial-in information? I recall that Matt is on vacation and we are going to use your bridge...

**Richard Probst (SAP):** OK, I will post the dial in info here. Hold on.

**Richard Probst (SAP):** <https://sap.na.pgiconnect.com/I806223>

Participant passcode: 201 649 5262

Host passcode: 799 485 94xx

(Adobe Connectivity Test)

USA / Canada (free): +1.866.312.7353

tel:+1.866.312.7353,,2016495262#

USA / Canada (paid): +1.720.897.6637

tel:+1. 720.897.6637,,2016495262#

Germany (free): 0800.588.9331

tel: 0800.588.9331,,2016495262#

Germany (paid): +49.69.2222.10764

tel: +49.69.2222.10764,,2016495262#

China (free): +800.820.8010

tel: +800.820.8010,,2016495262#

China (paid): +400.613.8112

tel: +400.613.8112,,2016495262#

**Richard Probst (SAP):** Also, for Alex (on holiday): Austria, Vienna: +43 1 2530 21750 tel:+431253021750,,2016495262#

Austria: 0 800 006 088 tel:0800006088,,2016495262#

**Richard Probst (SAP):** The phone line is open now

**Paul Lipton (cell):** my apologies, I am in another meeting and well have to monitor this on my phone browser

**Richard Probst (SAP):** No worries, Paul, so far only Frank and Thomas and me are on the call

**Richard Probst (SAP):** And nobody is on the phone line -- is it not working for you guys?

**Thomas Spatzier (IBM):** Frank, Derek, Dale and me are on the phone

**Derek Palma (Vnomic):** are you on the call richard? some of us are on

**Thomas Spatzier (IBM):** We can talk to each other

**Richard Probst (SAP):** Well, not on the phone that I am on

**Richard Probst (SAP):** How strange!

**Thomas Spatzier (IBM):** There was just a voice saying that the leader has dropped

**Thomas Spatzier (IBM):** ... and call will end in 30 minutes

**Richard Probst (SAP):** Re-dialing

**Richard Probst (SAP):** <https://sap.na.pgiconnect.com/I806223>

**Richard Probst (SAP):** meeting called to orde8:13am PDT

**Richard Probst (SAP):** Richard moves minutes approved; Frank 2nds, no onjection

**Richard Probst (SAP):** Richard asks if we can continue discussion of 117, but travis is not on call

**Richard Probst (SAP):** Thomas brings up 114 and 115, has discussed with Frank, wants toshare initial thinking

**Richard Probst (SAP):** 114 -- composite req/caps

**Richard Probst (SAP):** 115 -- interfaces on capabilites

**Richard Probst (SAP):** Travis brought up use-case of LAMP stack

**Richard Probst (SAP):** Using abstract node types for grouping also solves interfaces on capabilities? Thomas asks

**Richard Probst (SAP):** Solves 2 problems with 1 solution, minimizes change from v1.0

**Richard Probst (SAP):** Derek: thinks what HP meant was capabilities can be independent, with separate lifecycles

**Richard Probst (SAP):** This would be a big change to TOSCA

**Richard Probst (SAP):** If capabilities are independent, they must be ordered, which requires a new topology

**Richard Probst (SAP):** But plug-ins give benefits, so are getting traction

**Richard Probst (SAP):** Dale: can we map a "sub topology" to a node type?

**Richard Probst (SAP):** If we add plug-ins that can be installed independently, there will still be dependencies between them

**Richard Probst (SAP):** Sounds like 2 ways to handle this

**Richard Probst (SAP):** Derek: "sub topology" means substituting 1 node (or set of nodes) fpr another

**Richard Probst (SAP):** Do we want capabilities to be added to types after type definition?

**Richard Probst (SAP):** Do capabilites have their own lifecycles? (which requires handling dependencies)

**Richard Probst (SAP):** Richard: can we say yes to 1st question and no to 2nd

**Richard Probst (SAP):** Derek: could do if you chnage the implemeentations of the node type, but sounds pathological -- maybe just change the type

**Frank Leymann (IBM):** Somehow we will run into updates of already deployed and running instances... Is this still about "interoperability"?

**Richard Probst (SAP):** Easier to add requirements on the fly

**Frank Leymann (IBM):** Adding requirements: should that result in dynamic reconfig during runtime?

**Derek Palma (Vnomic):** Requirements just have to be resolved by some node with the right set of capabilities so it can be done later

**Richard Probst (SAP):** Dale: plug-ins will require affecting sub nodes in a composite topology

**Richard Probst (SAP):** How do mix-ins work with the TOSCA type system?

**Richard Probst (SAP):** Do mix-ins affect all instances of a type? Including ones already running?

**Richard Probst (SAP):** Derek: want to add more semantics at the type level

**Richard Probst (SAP):** This is like multi-inheritence, with all those problems

**Richard Probst (SAP):** Mix-ins let you do this at run-time, which raises its own set of problems

**Richard Probst (SAP):** vnomic's system supports run-time mix-ins, so we know those problems

**Richard Probst (SAP):** Combining mix-ins and multi-inheritence gives us both sets of problems!

**Richard Probst (SAP):** Dale: functional languages support mix-ins, so that is understod

**Richard Probst (SAP):** Can handle multi-inheritence ordering

**Richard Probst (SAP):** Derek: OK at language level, but what are the semantics in a TOSCA model?

**Richard Probst (SAP):** Derek: real problem is how to combine capabilites written by different people and combine them

**Richard Probst (SAP):** Dale: how to avoid JAR hell / DLL hell?

**Richard Probst (SAP):** Richard: is this at all possible with v1.0 types?

**Richard Probst (SAP):** Derek: is the LAMP use-case supported in v1.0? if not, will it be supported in v1.1?

**Richard Probst (SAP):** What is the idiomatic encoding of LAMP in v1.0? (whether or not it is beautiful)

**Richard Probst (SAP):** We should consider that first, before thinknig about changing the language

**Richard Probst (SAP):** Dale: we need HP in this conversation

**Thomas Spatzier (IBM):** +1 on trying to see how far we get with what we have

**Richard Probst (SAP):** Derek: people want TOSCA to be like the approach they are already using in their tools, but this is a stress on TOSCA

**Richard Probst (SAP):** this would force TOSCA to be a modeling language rather than a tool-exchange format

**Richard Probst (SAP):** s/true modeling language/

**Richard Probst (SAP):** Different issues between creating an industry0standard modeling language and creating an industry-standard tool-exhange format between modeling tools

**Richard Probst (SAP):** Dale: wants a DSL, beyond just an exchange format -- someone will do it

**Richard Probst (SAP):** Richard moves to adjourn, Dale 2nds, meeting adjourned