

Core Working Group Meeting Notes (17-Jan-2019)

Attendees:

The screenshot shows a Zoom meeting window titled "Participants (21)". At the top, there is a search bar with the placeholder text "Type to filter...". Below the search bar is a list of 21 participants. Each participant entry consists of a circular icon with initials, the participant's name, and two status icons (microphone and video) with red slashes indicating they are muted or disabled. At the bottom of the window, there are three buttons: "Mute Me", "Raise Hand", and "Claim Host".

Initials	Name	Microphone	Video
TC	Trevor Conn (me)	Muted	Disabled
MH	Michael Hall - LF	Muted	Disabled
BF	Beau Frusetta (Intel)	Disabled	Disabled
AF	Andrew Foster	Muted	Disabled
AS	André Srinivasan	Muted	Disabled
	Brandon Forster	Muted	Disabled
DH	Daniel Harms	Muted	Disabled
EC	Eric Cotter	Muted	Disabled
IoTech	IoTech	Muted	Disabled
ID	Ivan Dlugos (ObjectBox)	Muted	Disabled
JG	James Gregg (Intel)	Muted	Disabled
JW	Jim Wang	Muted	Disabled
JW	Jim White	Muted	Disabled
JD	Joan Duran	Muted	Disabled
J	JP	Muted	Disabled
LG	Lenny Goodell (Intel)	Muted	Disabled
MJ	Markus Junginger (ObjectBox)	Muted	Disabled
	Michael Estrin	Muted	Disabled
M	Mike (Intel)	Disabled	Disabled
WM	Walt Morton - Intel	Muted	Disabled

Mute Me Raise Hand Claim Host

Old Business

- Abstraction Layer for Consul (Issue 797)
 - Pending plugin decision

New Business

- Plugins
 - 4 approaches proposed
 - Vanilla plugins
 - Optional plugins (Ian Johnson @ Canonical)
 - Default implementation in the repo
 - Plugin shim to wrap either plugin integration or default usage
 - Please clarify / explain a bit more
 - Retains Windows Support
 - Details from Lenny
 - Takes advantage of conditional compilation via `_suffix.go`
 - Example
 - `Consul_windows.go`
 - Calls native implementation
 - `Consul_linux.go`
 - Calls out to plugin
 - If using native implementation (Windows) your choice is limited.
 - Why not use modules? (Ivan @ ObjectBox)
 - Description in #corewg-persist channel
 - Involves some code generation prior to build
 - `Init.Db` file has knowledge of the db provider
 - Configuration contains specification of desired provider
 - As part of make, the file is generated prior to build

- Could be done either locally or as part of build pipeline
 - CI-CD Question
 - CI = one reference implementation
 - Certification = out of band certification testing process
 - No plugins
- Discuss
 - Update from Beau on Windows plugin support
 - Had a call w/Microsoft dev contributors to Go project
 - Enthused to work on the outstanding GitHub issue but need to find the cycles
 - Need to sync knowledge w/r/t DLLs and compiler
 - Once it's more clear, need to size
 - Follow-up call in 2 weeks
 - Suggested by Jim W.
 - For Edinburgh – Support for Redis/Mongo (as per Delhi)
 - During this dev cycle, POC for above ideas – build time module integration, possibly plugin shim (per Ian)
 - Allows for more time to continue conversation with Microsoft re: plugins
 - Expect POC from ObjectBox in coming weeks (will notify when ready)
 - Andre's estimate for Edinburgh – March 15
- API Versioning in URL paths (Michael Hall raised this question)
 - Do we need this?
 - /api/v1/device for example
 - *Lenny / Michael – Keep the version indicator but rev it for visual confirmation with integrating applications*
 - *Preference is to keep it – Once we actually get to 2.0, we'll make a decision on supporting both versions going forward*
 - *E.g. multiple version request support*
 - In the case of edgex-go all services are versioned together

- For this to be of use, multiple EdgeX deployments would have to exist in the same environment
- If we keep it, does that mean all routes rev to /api/v2 in our 2.0 release regardless of whether they've changed or not?
- Possibly discuss message queuing abstraction if we have time.
 - *Postponed*
- No Core WG Next Thursday (24-Jan) due to Application Services F2F in Boston