Local 3-way Conferencing

Feature Description

Local 3-way conferencing allows for an AOS Voice product to mix both RTP and TDM streams locally. It is currently supported in the 2nd gen TA 900 and TA 900E series and the NetVanta 6355, NetVanta 6310 and NetVanta 6330. Each of these devices are limited to 3 separate 3-way conferences at one time, except the NetVanta 6355, which is limited to 1.

Configuration Items

The following is a list of CLI commands to be used to configure the behavior of 3-way conferencing.

```
voice conferencing-mode [network, local]
voice conference local originator onhook [persist, terminate]
voice conference local originator flashhook [drop, split, ignore]
voice conference local party-disconnect [continue, transfer]
voice conference local max-sessions <*>
```

NOTE: "voice conference local party-disconnect" commands are only available in AOS A2.01 and later.

Network conference mode is currently supported by AOS IAD/MSAG/PBX products. This feature describes audio-stream mixing that will be performed in the network, specifically using a SIP trunk connection to the network.

With the addition of local audio-stream mixing to the AOS IAD/MSAG/PBX product lines, the end user will now have a choice of whether to support network or local audio-stream mixing.

These two methods of audio-stream mixings are mutually exclusive.

If network conference mode is enabled, the "`voice conference local *`" commands will be ignored.

If local conference mode is enabled, then "`conference-uri <WORD>`" commands on SIP trunks will be ignored.

Default: Network conferencing-mode will be enabled by default to support backward compatibility of existing customer configurations.

Summary of Commands

- `voice conferencing-mode [`**`network`**`, local]`

This command is used to enable or disable local conferencing. By default, all conferencing is performed in the network. Changing the conference mode to local will enable local conferencing.

- `voice conference local originator onhook [`**`persist`**`, terminate]`

This command describes the behavior of what happens after a local 3-way conference has been established and the *conference originator* goes on-hook.

If "`onhook persist`" is selected, the remaining two parties in the conference will be connected together to continue their conversation. The "party-disconnect" option described below will determine how the remaining parties are reconnected, whether by maintaining the conference or reestablishing a direct connection.

If "`onhook terminate`" is selected, all parties are immediately disconnected.

Default: "`onhook persist`" will be the default behavior.

- `voice conference local originator flashhook [`**`drop`**`, split, ignore]`

This command describes the behavior of what happens after a local 3-way conference has been established and the *conference originator* issues a flash-hook.

If "`flashhook drop`" is selected, then the last party added to the 3-way conference by the originator will be dropped from the conference. The 3-way conference will end and the originator and the other party will be connected together to continue their conversation. The originator may then begin the process of initiating a new 3-way conference if desired.

If "`flashhook split`" is selected, then the 3-way conference will be split into a call between the originator and the 1st remote party and a call between the originator and the 2nd remote party. Any subsequent flash-hook events from the originator will toggle between the two existing calls (consultative hold behavior). The two calls **cannot** be put

back into a 3-way conference. If either call is terminated, the originator may then begin the process of initiating a new 3-way conference if desired.

If "`flashhook ignore`" is selected, then the flash-hook from the originator will be ignored. The 3-way conference will continue to be active.

Default: "`flashhook drop`" will be the default behavior.

- `voice conference local party-disconnect [`**`transfer`**`, continue]`

NOTE: "voice conference local party-disconnect" commands are only available in AOS A2 and later.

This command describes how an AOS product connects remaining parties together when the 3-way conference is terminated. If a remote party disconnects, the remaining party and the originator should be connected together. If the originator disconnects, and "`on-hook persist`" is selected, the other remote parties should be connected together.

If "`party-disconnect transfer`" is selected, then the two remaining conference parties will be connected directly together. Audio-mixing will not be performed using the conference resource. For all SIP parties, an attended transfer using REFER with Replaces will connect the parties together.

NOTE: When attempting to transfer two parties connected via trunks, the command "no `reject-external`" must be enabled on each trunk for the transfer to be successful.

If "`party-disconnect continue`" is selected, then the two remaining conference parties will be connected by continuing to mix their audio streams in the conference resource. A logical 3-way conference is not active, but the conference audio-mixing resource is still being used.

NOTE: "`party-disconnect continue`" must be selected if any SIP endpoint does NOT support REFER with Replaces.

Default: "`party-disconnect continue`" will be the default behavior

- `voice conference local max-sessions <*>`

This command sets the maximum number of simultaneous 3-way conference sessions. A setting of "0" will allow the maximum number of sessions possible. Currently AOS voice products are limited to 3 concurrent local conferences.

Default: "`voice conference local max-sessions 3`" will be the default behavior