

GENESYS

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Voice Microservices Events and Models Reference

Monitoring calls

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Learn about call monitoring models and flows.

Related documentation:

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RSS:

• For private edition

For simplicity, the examples on this page use abbreviated attribute values. For example, ConnID **1**, which – in actual events – displays as ConnID>@metainformation>.

The following comments and abbreviations are used in the call models:

- OPT—Optional.
- DIAL—Might be a dialed number or is not present if Voice Microservices have no information about the other party.

Service observing on agent

The following tables describe service observing on an agent.

| Party A (External) | Party B | Party C (Service Observer) |
|--------------------|---|---|
| Inbound call | | |
| | EventRinging ConnID 1 ThisDN B ThisDNRole Destination OtherDN A OtherDNRole Origination CallState OK | |
| | Answer (TAnswerCall) | |
| | EventEstablished ConnID 1 ThisDN B ThisDNRole Destination OtherDN A OtherDNRole Origination CallState OK | EventRinging ConnID 1 ThisDN C ThisDNRole Observer OtherDN A a OtherDNRole Origination b |

| | | CallState Bridged | |
|--|--|---|--|
| | EventPartyAdded ConnID 1 ThisDN B ThisDNRole Destination OtherDN C OtherDNRole Observer CallState Bridged | EventEstablished ConnID 1 ThisDN C ThisDNRole Observer OtherDN A OtherDNRole Origination CallState Bridged | |
| Conference | | | |
| Release phase (see descriptions below) | | | |

- a. For some switches, Voice Microservices use the party that initialized the Service Observer instead of Party A.
- b. For some switches, Voice Microservices use the role of the party that initialized the Service Observer instead of the role of Party A.

Agent releases first

| Party A (External) | Party B | Party C (Service Observer) |
|--------------------|--|--|
| | Release (TReleaseCall) | |
| | EventReleased ConnID 1 ThisDN B ThisDNRole Destination CallState OK | EventPartyDeleted ConnID 1 ThisDN C ThisDNRole Observer OtherDN B OtherDNRole DeletedParty CallState OK |
| | | EventReleased ConnID 1 ThisDN C ThisDNRole Observer OtherDN A CallState OK |

External party releases first

| Party A (External) | Party B | Party C (Service Observer) |
|--------------------------------|--|--|
| External party releases a call | | |
| | EventPartyDeleted ConnID 1 ThisDN B ThisDNRole Destination OtherDN A OtherDNRole DeletedParty ThirdPartyDNRole Observer a ThirdPartyDN C a CallState OK | EventPartyDeleted ConnID 1 ThisDN C ThisDNRole Observer OtherDN A OtherDNRole DeletedParty CallState OK |

| EventReleased | EventReleased |
|---|--|
| ConnID 1 ThisDN B ThisDNRole Destination OtherDN C CallState OK | ConnID 1 ThisDN C ThisDNRole Observer OtherDN B CallState OK |

a. The attribute contains observer information.

Observer releases first

| Party A (External) | Party B | Party C (Service Observer) | | |
|--------------------------|--|---|--|--|
| | | Observer releases a call | | |
| | EventPartyDeleted | | | |
| | ConnID 1 ThisDN B ThisDNRole Destination OtherDN C OtherDNRole Observer ThirdPartyDNRole DeletedBy ThirdPartyDN C CallState OK | EventReleased ConnID 1 ThisDN C ThisDNRole Observer CallState OK | | |
| Release phase (ConnID 1) | | | | |

Abnormal call flow

| Interruption point | Party A | Party B | Party C |
|--------------------|---------|--|---------|
| * | | EventAbandoned ConnID 1 ThisDN B OtherDN A CallState OK | |

Service observing for agent-initiated call

The following table describes service observing for an agent-initiated call.

| Party A | Party B | Party C |
|--|--|---------|
| EventRinging ConnID 1 | EventDialing ConnID 1 | |
| ThisDN A ThisDNRole Destination OtherDN B OtherDNRole Origination CallState OK | ThisDN B ThisDNRole Origination OtherDN A OtherDNRole Destination CallState OK | |
| Answer | | |

| EventEstablished ConnID 1 ThisDN A ThisDNRole Destination OtherDN B OtherDNRole Origination CallState OK | EventEstablished ConnID 1 ThisDN B ThisDNRole Origination OtherDN A OtherDNRole Destination CallState OK | | |
|--|--|---|--|
| EventPartyAdded ConnID 1 ThisDN A ThisDNRole Destination OtherDN C OtherDNRole Observer CallState Bridged | EventPartyAdded ConnID 1 ThisDN B ThisDNRole Origination OtherDN C OtherDNRole Observer CallState Bridged | EventRinging ConnID 1 ThisDN C ThisDNRole Observer OtherDN B OtherDNRole Origination CallState Bridged | |
| | | Answer | |
| | | EventEstablished ConnID 1 ThisDN C ThisDNRole Observer CallState Bridged | |
| Conference | | | |
| Release phase (for more information, see descriptions in Service observing on agent) | | | |

Service observing on queue

The following table describes service observing on the queue.

| Party A (External) | Party B | Party C | Party D (Observer) |
|--------------------|--|----------------------------------|---|
| Inbound call | | | |
| | ConnID 1 ThisDN B ThisDNRole Destination OtherDN A OtherDNRole Origination | | EventRinging ConnID 1 ThisDN D ThisDNRole Observer OtherDN A OtherDNRole Origination CallState Bridged |
| | | | EventEstablished ConnID 1 ThisDN D ThisDNRole Observer OtherDN A OtherDNRole Origination CallState Bridged |
| | EventDiverted ConnID 1 ThisDN B | EventRinging ConnID 1 ThisDN C | |

| | ThisQueue B ThisDNRole Destination OtherDN A OtherDNRole Origination ThirdPartyDN C *OPT ThirdPartyDNRole Destination *OPT | ThisDNRole Destination OtherDN A OtherDNRole Origination CallState Bridged | |
|--|--|--|---|
| | | Answer (TAnswerCall) | |
| | | EventEstablished ConnID 1 ThisDN C ThisDNRole Destination OtherDN A OtherDNRole Origination CallState Bridged Extensions: OrigDN-1=A OrigDN-2=D | EventPartyAdded ConnID 1 ThisDN D ThisDNRole Observer OtherDN C OtherDNRole NewParty ThirdPartyDN C ThirdPartyDNRole AddedBy CallState Bridged |
| Conference | | | |
| Release phase (for more information, see descriptions in Service observing on agent) | | | |

Abnormal call flow

| Interruption point | Party A | Party B | Party C | Party D |
|--------------------|---------|---------|--|--|
| * | | | EventAbandoned ConnID 1 ThisDN C OtherDN A CallState OK | ConnID 1 ThisDN D ThisDNRole Observer OtherDN A CallState OK |