Genesys Events and Models Reference

TEvent Structure

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TEvent Structure

This section describes the syntax of the TEvent structure. For information on types of attributes and possible values, see a full description of this structure in your API reference.

> **Important**
>
> Although listed here, certain components of the TEvent structure are reserved for internal use only.

```
typedef struct TEvent_tag {
        enum TMessageType                       Event;
        TServer                          Server;
        int                                ReferenceID;
        char                                *HomeLocation;
        char                                *CustomerID;
        TConnectionID                        ConnID;
        TConnectionID                        PreviousConnID;
        TCallID                          CallID;
        int                                NodeID;
        TCallID                          NetworkCallID;
        int                                NetworkNodeID;
        TCallHistoryInfo                  CallHistory;
        TCallType                          CallType;
        TCallState                         CallState;
        TAgentID                          AgentID;
        TAgentWorkMode                        WorkMode;
        long                                ErrorCode;
        char                                *ErrorMessage;
        TFile                               FileHandle;
        char                                *CollectedDigits;
        char                                LastCollectedDigit;
        TDirectoryNumber                  ThisDN;
        TDirectoryNumber                  ThisQueue;
        unsigned long                          ThisTrunk;
        TDNRole                          ThisDNRole;
        TDirectoryNumber                   OtherDN;
        TDirectoryNumber                   OtherQueue;
        unsigned long                          OtherTrunk;
        TDNRole                          OtherDNRole;
        TDirectoryNumber                   ThirdPartyDN;
        TDirectoryNumber                   ThirdPartyQueue;
        unsigned long                          ThirdPartyTrunk;
        TDNRole                          ThirdPartyDNRole;
        TDirectoryNumber                   DNIS;
        TDirectoryNumber                   ANI;
        TAddressInfoType                   InfoType;
        TAddressInfoStatus                   InfoStatus;
        TTreatmentType                         TreatmentType;
        TRouteType                         RouteType;
        char                                *ServerVersion;
        TServerRole                        ServerRole;
        TMask                               Capabilities;
        TKVList                         *UserData;
```

```
        TKVList                                 *Reasons;
        TKVList                                 *Extensions;
        TTimeStamp                               Time;
        void                                     *RawData;
        TDirectoryNumber                        AccessNumber;
        TXRouteType                              XRouteType;
        TReferenceID                             XReferenceID;
        TKVList                                 *TreatmentParameters;
        char                                     *Place;
        int                                      Timeout;
        TMediaType                               MediaType;
        TLocationInfoType                        LocationInfo;
        TMonitorNextCallType                      MonitorNextCallType;
        TPrivateMsgType                         PrivateEvent;
        /* Application data (set by TSetApplicationData) */
        void *ApplicationData;
} TEvent;
```