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# Genesys Events and Models Reference

TEvent Structure

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

## TEvent Structure

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```
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;
```