Websense Email Security STEMLog database schema

Paper 70004 / Updated: June 24, 2010

Applies to:	Websense Email Security v7.0 and later

This paper contains diagrams that show the structure and relationships between the tables in the Websense Email Security STEMLog database. These relationships are used by the Report Central component to create reports on activity within Websense Email Security.
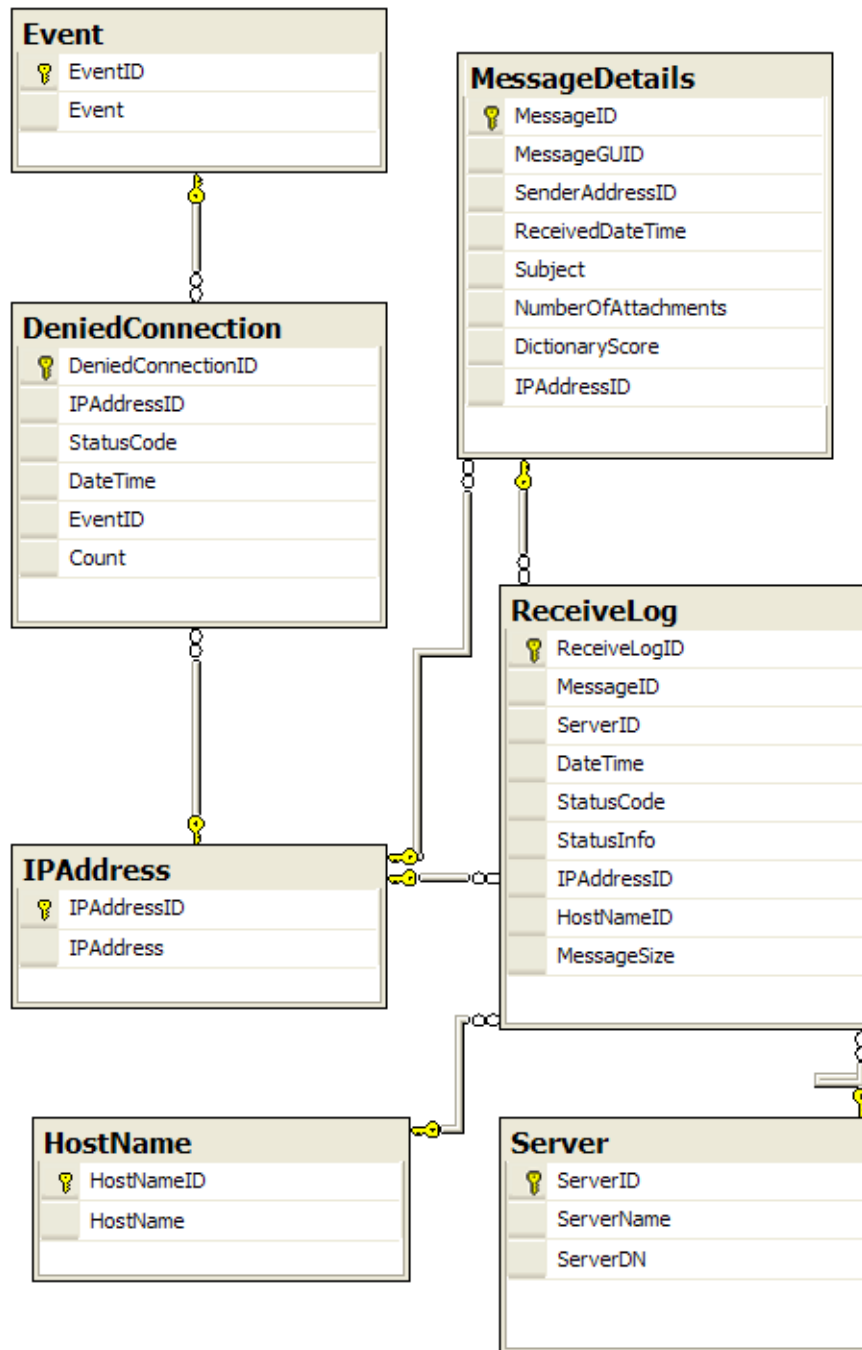
MessageDetails relationships

The following diagram illustrates the relationships among the MessageDetails tables:
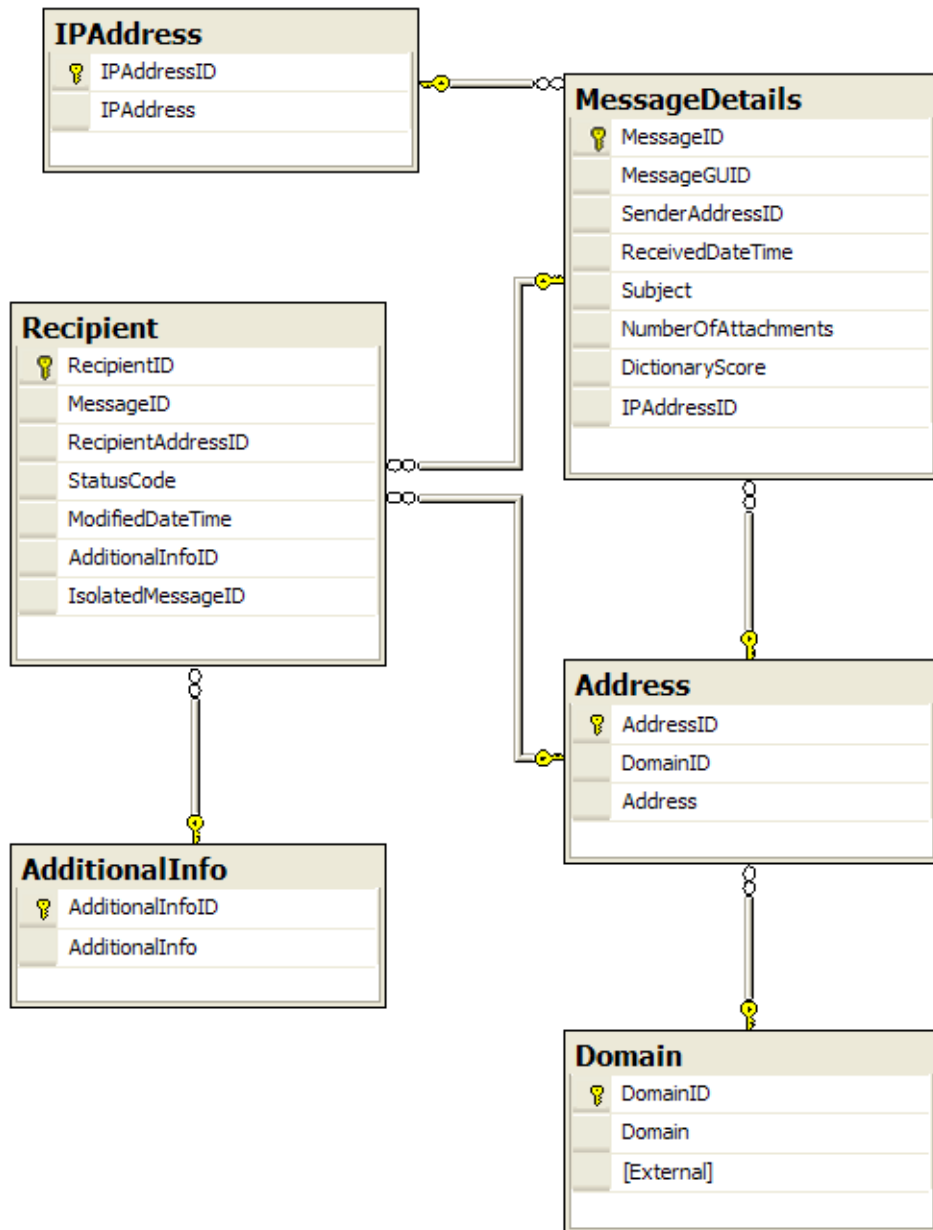
ReceiveLog and DeniedConnection relationships

The following diagram illustrates the relationships among the ReceiveLog and DeniedConnection tables:

Event

🔑	EventID
	Event

MessageDetails

🔑	MessageID
	MessageGUID
	SenderAddressID
	ReceivedDateTime
	Subject
	NumberOfAttachments
	DictionaryScore
	IPAddressID

DeniedConnection

🔑	DeniedConnectionID
	IPAddressID
	StatusCode
	DateTime
	EventID
	Count

ReceiveLog

🔑	ReceiveLogID
	MessageID
	ServerID
	DateTime
	StatusCode
	StatusInfo
	IPAddressID
	HostNameID
	MessageSize

IPAddress

🔑	IPAddressID
	IPAddress

HostName

🔑	HostNameID
	HostName

Server

🔑	ServerID
	ServerName
	ServerDN

SendLog relationships

The following diagram illustrates the relationships among the SendLog tables:
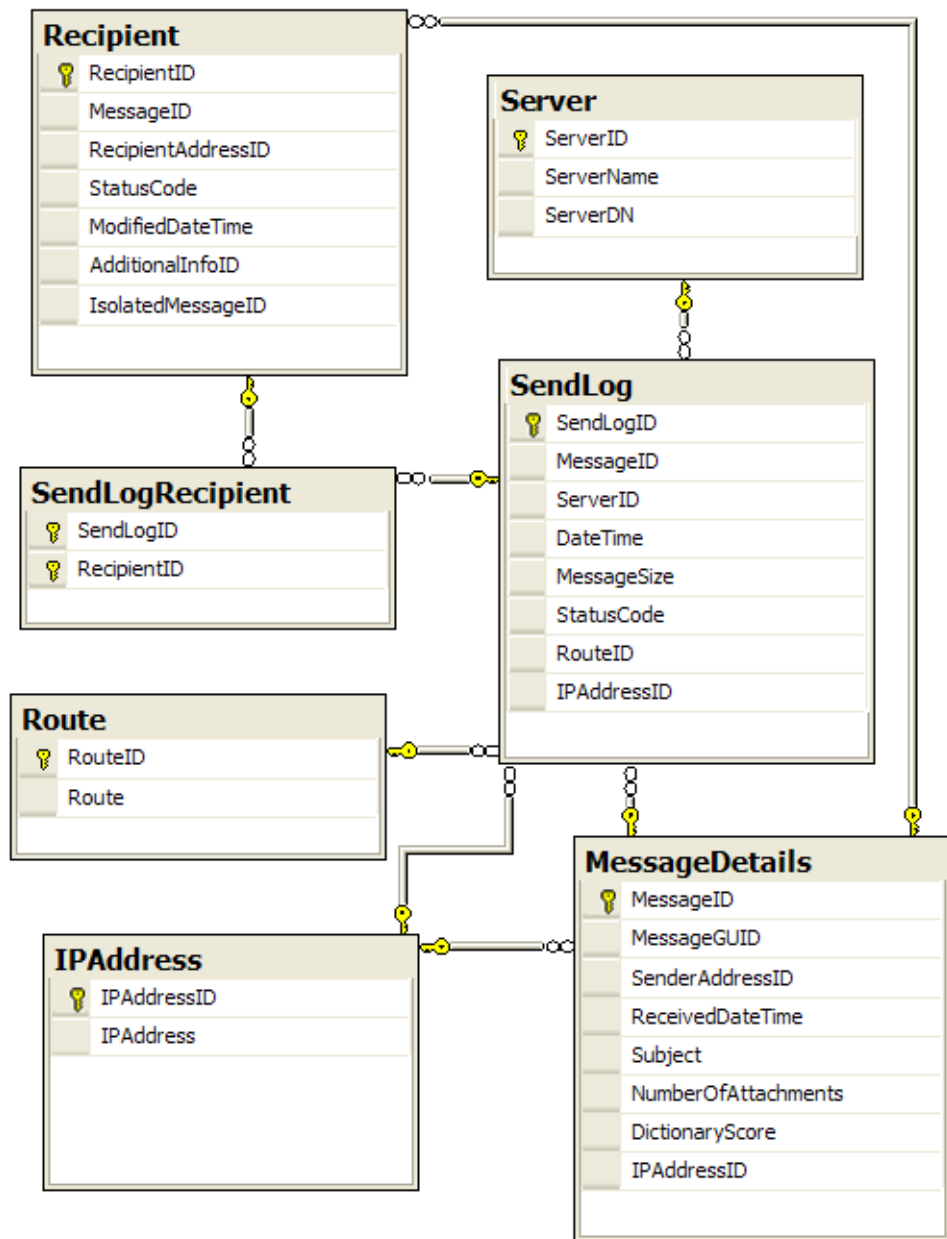
PolicyLog relationships

The following diagram illustrates the relationships among the PolicyLog tables:

AuditLog relationships

The following diagram illustrates the relationships among the AuditLog tables:

IsolatedMessage relationships

The following diagram illustrates the relationships among the IsolatedMessage tables:

IsolatedMessage
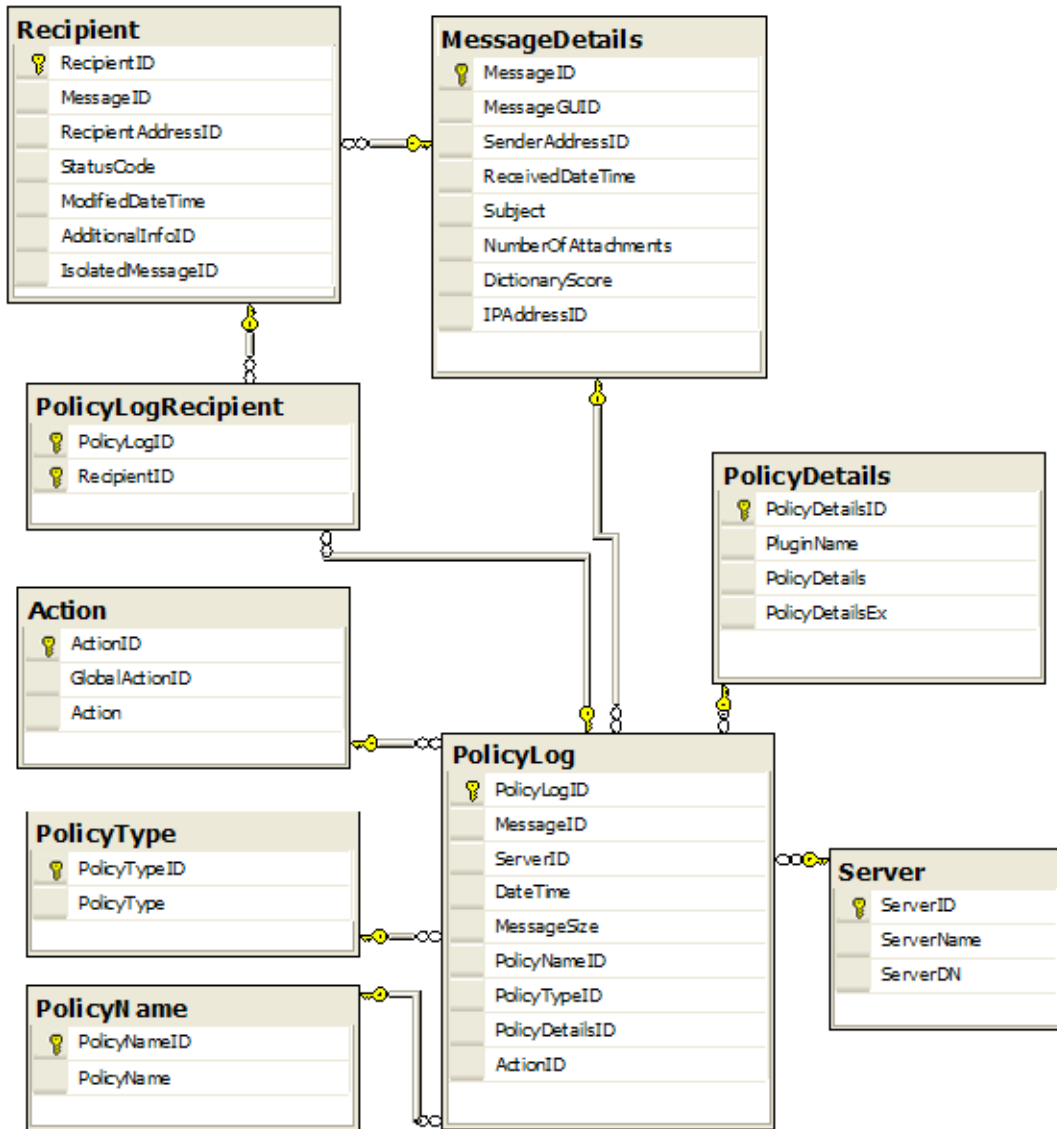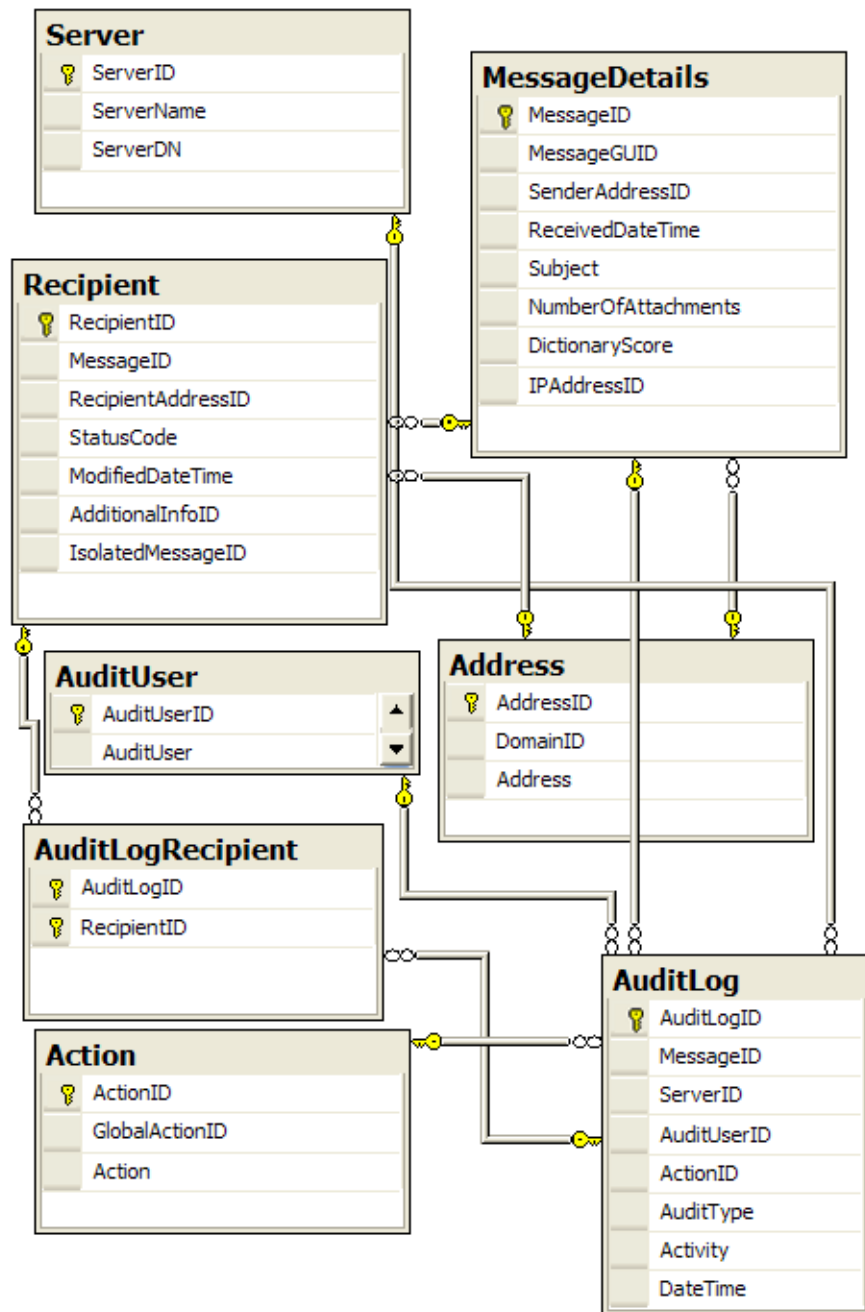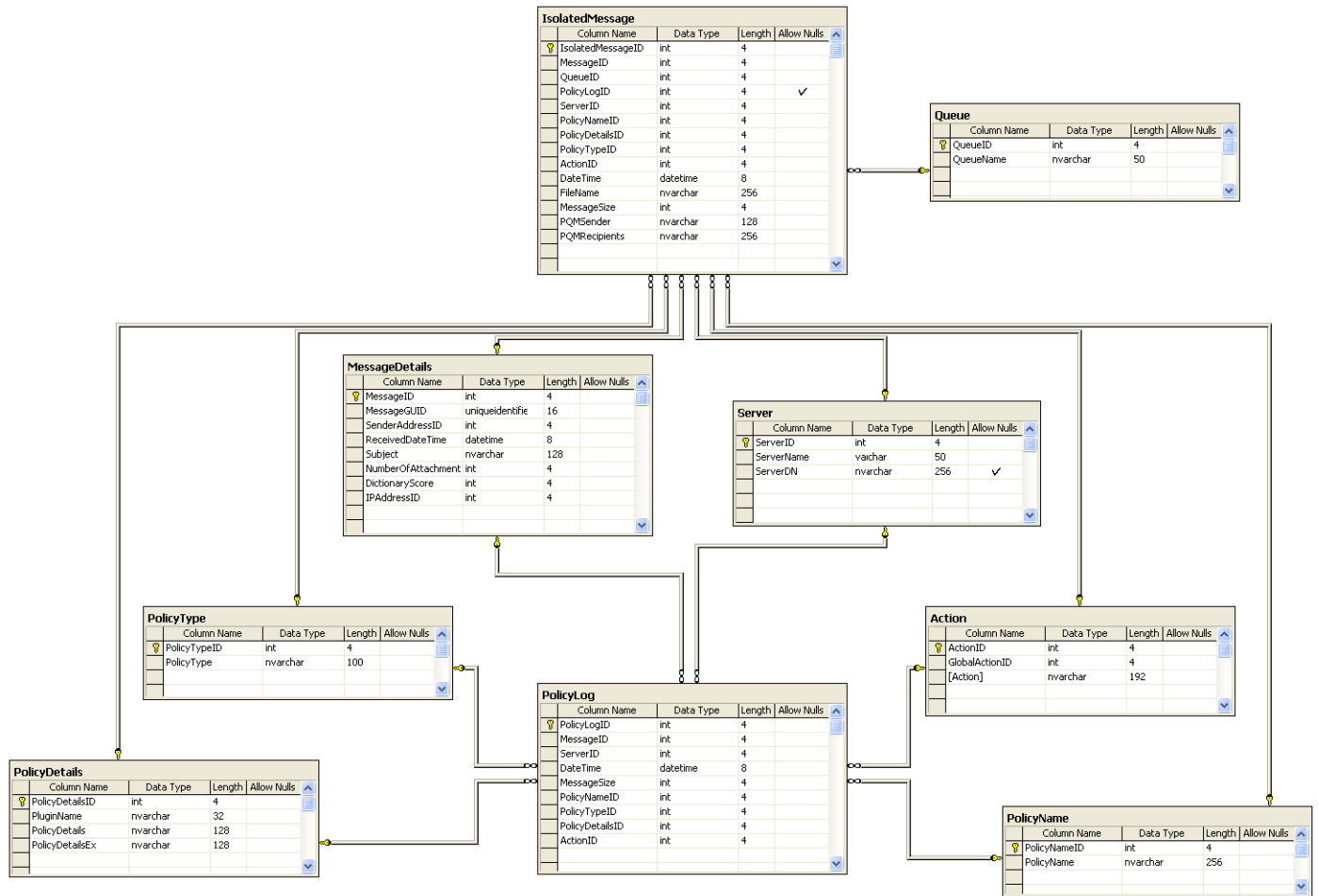
Column Name	Data Type	Length	Allow Nulls
IsolatedMessageID	int	4	
MessageID	int	4	
QueueID	int	4	
PolicyLogID	int	4	✓
ServerID	int	4	
PolicyNameID	int	4	
PolicyDetailsID	int	4	
PolicyTypeID	int	4	
ActionID	int	4	
DateTime	datetime	8	
FileName	nvarchar	256	
MessageSize	int	4	
PQMSender	nvarchar	128	
PQMRecipients	nvarchar	256	

Queue

Column Name	Data Type	Length	Allow Nulls
QueueID	int	4	
QueueName	nvarchar	50	

MessageDetails

Column Name	Data Type	Length	Allow Nulls
MessageID	int	4	
MessageGUID	uniqueidentifie	16	
SenderAddressID	int	4	
ReceivedDateTime	datetime	8	
Subject	nvarchar	128	
NumberOfAttachment	int	4	
DictionaryScore	int	4	
IPAddressID	int	4	

Server

Column Name	Data Type	Length	Allow Nulls
ServerID	int	4	
ServerName	varchar	50	
ServerDN	nvarchar	256	✓

PolicyType

Column Name	Data Type	Length	Allow Nulls
PolicyTypeID	int	4	
PolicyType	nvarchar	100	

Action

Column Name	Data Type	Length	Allow Nulls
ActionID	int	4	
GlobalActionID	int	4	
[Action]	nvarchar	192	

PolicyLog

Column Name	Data Type	Length	Allow Nulls
PolicyLogID	int	4	
MessageID	int	4	
ServerID	int	4	
DateTime	datetime	8	
MessageSize	int	4	
PolicyNameID	int	4	
PolicyTypeID	int	4	
PolicyDetailsID	int	4	
ActionID	int	4	

PolicyDetails

Column Name	Data Type	Length	Allow Nulls
PolicyDetailsID	int	4	
PluginName	nvarchar	32	
PolicyDetails	nvarchar	128	
PolicyDetailsEx	nvarchar	128	

PolicyName

Column Name	Data Type	Length	Allow Nulls
PolicyNameID	int	4	
PolicyName	nvarchar	256	

AuditMessage relationships

The following diagram illustrates the relationships among the AuditMessage tables:

Queue
- QueueID (PK)
- QueueName

Server
- ServerID (PK)
- ServerName
- ServerDN

AuditMessage
- AuditMessageID (PK)
- MessageID
- QueueID
- PolicyLogID
- AuditLogID
- ServerID
- PolicyNameID
- PolicyDetailsID
- PolicyTypeID
- ActionID
- AuditActionID
- AuditUserID
- DateTime
- FileName
- MessageSize

AuditLog
- AuditLogID (PK)
- MessageID
- ServerID
- AuditUserID
- ActionID
- AuditType
- Activity
- DateTime

PolicyDetails
- PolicyDetailsID (PK)
- PluginName
- PolicyDetails
- PolicyDetailsEx

MessageDetails
- MessageID (PK)
- MessageGUID
- SenderAddressID
- ReceivedDateTime
- Subject
- NumberOfAttachments
- DictionaryScore
- IPAddressID

PolicyLog
- PolicyLogID (PK)
- MessageID
- ServerID
- DateTime
- MessageSize
- PolicyNameID
- PolicyTypeID
- PolicyDetailsID
- ActionID

AuditMessageRecipient
- AuditMessageRecipient
- AuditMessageID
- AddressID

Address
- AddressID (PK)
- DomainID
- Address

Action
- ActionID (PK)
- GlobalActionID
- Action

PolicyName
- PolicyNameID (PK)
- PolicyName

AuditUser
- AuditUserID (PK)
- AuditUser

PolicyType
- PolicyTypeID (PK)
- PolicyType

SystemLog relationships

The following diagram illustrates the relationships among the SystemLog tables: