

↳ SharedClientStatistics		
↳ log	Log	
↳ numberOfClients	int	
↳ numberOfMessages	int	
↳ clientThinkTime	int	
↳ numberOfAllMessages	int	
↳ numberOfPlannedEventMessages	long	
↳ numberOfLoggedOutClients	int	
↳ clientStatistics	ClientStatistics[]	
↳ SharedClientStatistics(int, int, int)		
↳ inRange(int)	boolean	
↳ incNumberOfLoggedOutClients()	void	
↳ incNumberOfLoggedOutClients()	void	
↳ incSentMsgCounter(int)	void	
↳ setNumberOfSentEventMessages(int, long)	void	
↳ getNumberOfSentEventMessages(int)	long	
↳ setNumberOfLostConfirmEvents(int, long)	void	
↳ getNumberOfLostConfirmEvents(int)	long	
↳ setNumberOfReceivedConfirmEvents(int, long)	void	
↳ getNumberOfReceivedConfirmEvents(int)	long	
↳ setNumberOfRetriedEvents(int, long)	void	
↳ getNumberOfRetriedEvents(int)	long	
↳ incNumberOfRetries(int)	void	
↳ incReceivedMsgCounter(int, long, long)	void	
↳ allMessagesReceived()	boolean	
↳ allClientsLoggedin()	boolean	
↳ allMessagesReceived(int)	long	
↳ getAverageRTT(int)	long	
↳ getNumberOfSentRequests(int)	int	
↳ getNumberOfReceivedResponses(int)	int	
↳ getNumberOfLostResponses(int)	int	
↳ getNumberOfRetries(int)	int	
↳ getSumRTT(int)	long	
↳ getSumServerTime(int)	long	
↳ calculateMetrics()	DistributionMetrics	
↳ printClientStatistic(int)	void	
↳ printStatistics()	void	
↳ writeStatistics(String, String, String, String, String, float)	void	
↳ useMemory()	long	
↳ averageServerTime	long	
↳ logOutSignal	CountDownLatch	
↳ numberOfSentRequests	int	
↳ loginSignal	CountDownLatch	
↳ averageRTT	long	
↳ sumOfAllSentEventMessages	int	
↳ sumOfAllRetries	int	
↳ numberOfReceivedResponses	int	
↳ sumOfAllRetriedEvents	int	
↳ maximumRTT	long	
↳ minimumRTT	long	
↳ sumOfAllLostConfirmEvents	int	
↳ maxHeapSize	long	
↳ sumOfAllReceivedMessages	int	
↳ sumServerTime	long	
↳ sumRTT	long	
↳ numberOfLostResponses	int	
↳ numberOfLoggedOutClients	int	
↳ sumOfAllReceivedConfirmEvents	int	

↳ ChatPDU		
↳ serialVersionUID	long	
↳ log	Log	
↳ clientThreadName	String	
↳ serverThreadName	String	
↳ sequenceNumber	long	
↳ message	String	
↳ serverTime	long	
↳ NO_ERROR	int	
↳ LOGIN_ERROR	int	
↳ ChatPDU()		
↳ ChatPDU(PduType, Vector<String>)		
↳ ChatPDU(PduType, String)		
↳ toString()	String	
↳ printPdu(ChatPDU)	void	
↳ createLogoutEventPdu(String, Vector<String>, ChatPDU)	ChatPDU	
↳ createLoginEventPdu(String, Vector<String>, ChatPDU)	ChatPDU	
↳ createLoginResponsePdu(String, ChatPDU)	ChatPDU	
↳ createChatMessageEventPdu(String, ChatPDU)	ChatPDU	
↳ createLogoutResponsePdu(String, long, long, long, long, String)	ChatPDU	
↳ createChatMessageResponsePdu(String, long, long, long, long, String, long)	ChatPDU	
↳ createLoginErrorResponsePdu(ChatPDU, int)	ChatPDU	
↳ createLoginEventConfirm(String, ChatPDU)	ChatPDU	
↳ createLogoutEventConfirm(String, ChatPDU)	ChatPDU	
↳ createChatMessageEventConfirm(String, ChatPDU)	ChatPDU	
↳ pduType	PduType	
↳ serverThreadName	String	
↳ username	String	
↳ message	String	
↳ numberOfLostConfirms	long	
↳ numberOfRetries	long	
↳ numberOfLostEventConfirms	long	
↳ ClientConversationStatus	ClientConversationStatus	
↳ numberOfSentEvents	long	
↳ numberOfReceivedEventConfirms	long	
↳ serverTime	long	
↳ numberOfReceivedConfirms	long	
↳ numberOfReceivedChatMessages	long	
↳ sequenceNumber	long	
↳ eventUserName	String	
↳ clientThreadName	String	
↳ errorCode	int	
↳ clients	Vector<String>	

↳ ClientListEntry		
↳ log	Log	
↳ con	Connection	
↳ loginTime	long	
↳ startTime	long	
↳ numberOfReceivedChatMessages	long	
↳ numberOfSentEvents	long	
↳ numberOfReceivedEventConfirms	long	
↳ numberOfLostEventConfirms	long	
↳ numberOfRetries	long	
↳ ClientListEntry(String, Connection)		
↳ toString()	String	
↳ incNumberOfSentEvents()	void	
↳ incNumberOfReceivedEventConfirms()	void	
↳ incNumberOfLostEventConfirms()	void	
↳ incNumberOfReceivedChatMessages()	void	
↳ incNumberOfRetries()	void	
↳ addWaitListEntry(String)	void	
↳ clearWaitList()	void	
↳ finished	boolean	
↳ connection	Connection	
↳ waitList	Vector<String>	
↳ username	String	
↳ numberOfReceivedChatMessages	long	
↳ loginTime	long	
↳ startTime	long	
↳ numberOfRetries	long	
↳ numberOfLostEventConfirms	long	
↳ numberOfSentEvents	long	
↳ numberOfReceivedEventConfirms	long	
↳ status	ClientConversationStatus	

↳ AuditLogPDU		
↳ serialVersionUID	long	
↳ log	Logger	
↳ userName	String	
↳ clientThreadName	String	
↳ serverThreadName	String	
↳ auditTime	long	
↳ message	String	
↳ AuditLogPDU()		
↳ toString()	String	
↳ printPdu(AuditLogPDU)	void	
↳ convertChatPDUtoAuditLogPDU(ChatPDU)	AuditLogPDU	
↳ convertChatPDUTypeToAuditLogPDUType(PduType)	AuditLogPduType	
↳ pduType	AuditLogPduType	
↳ auditTime	long	
↳ serverThreadName	String	
↳ userName	String	
↳ message	String	
↳ clientThreadName	String	

↳ PduType		
UNDEFINED		
LOGIN_REQUEST		
LOGIN_RESPONSE		
LOGOUT_REQUEST		
LOGOUT_RESPONSE		
CHAT_MESSAGE_REQUEST		
CHAT_MESSAGE_RESPONSE		
CHAT_MESSAGE_EVENT		
LOGIN_EVENT		
LOGOUT_EVENT		
CHAT_MESSAGE_EVENT_CONFIRM		
LOGIN_EVENT_CONFIRM		
LOGOUT_EVENT_CONFIRM		
↳ PduType(int, String)		
↳ getPdu(int)	PduType	
↳ toString()	String	
↳ description	String	
↳ id	int	

↳ DistributionMetrics		
UNDEFINED		
↳ DistributionMetrics()		
↳ maximum	double	
↳ percentile90	double	
↳ minimum	double	
↳ nrange	double	
↳ percentile50	double	
↳ interquartileRange	double	
↳ percentile10	double	
↳ percentile75	double	
↳ percentile25	double	
↳ standardDeviation	double	
↳ mean	double	
↳ variance	double	

↳ AuditLogPduType		
UNDEFINED		
LOGIN_REQUEST		
LOGOUT_REQUEST		
CHAT_MESSAGE_REQUEST		
FINISH_AUDIT_REQUEST		
↳ AuditLogPduType(int, String)		
↳ getPdu(int)	AuditLogPduType	
↳ toString()	String	
↳ description	String	
↳ id	int	

↳ MemoryTest		
↳ r	Runtime	
↳ n	NumberFormat	
↳ main(String[])	void	
↳ getMemoryOverView(String)	void	
↳ printFreeMemory()	void	
↳ useMemory(Runtime)	long	
↳ availableMemory(Runtime)	long	
↳ inKBytes(double)	double	
↳ inMBytes(double)	double	

↳ SystemConstants		
↳ IMPL_TCP_ADVANCED	String	
↳ IMPL_UDP_ADVANCED	String	
↳ IMPL_TCP_SAMPLE	String	
↳ AUDIT_LOG_SERVER_TCP_IMPL	String	
↳ AUDIT_LOG_SERVER_UDP_IMPL	String	
↳ RED_COLOR	String	
↳ BLACK_COLOR	String	

↳ CpuUtilisationWatch		
↳ osbean	OperatingSystemMXBean	
↳ nCPUs	int	
↳ startWallClockTime	Long	
↳ sumCpuTime	Long	
↳ CpuUtilisationWatch()		
↳ averageCpuUtilisation	float	

↳ ExceptionHandler		
↳ log	Log	
↳ logExceptionAndTerminate(Exception)	void	
↳ logException(Exception)	void	
↳ handleException(Exception, boolean)	void	

↳ ClientConversationStatus		
UNREGISTERED		
REGISTERING		
REGISTERED		
UNREGISTERING		

↳ ImplementationType		
TCPAdvancedImplementation		
TCPSimpleImplementation		
UDPAdvancedImplementation		

↳ AuditLogImplementationType		
AuditLogServerTCPImplementation		
AuditLogServerUDPImplementation		

↳ TestNanoTime		
↳ main(String[])	void	