



Mobile TD/TTC/LTE

PC Tools for TD/TTC/LTE

MSCViewer UserGuide

V1.0

Document Conventions



Note: Provides related information or information of special importance.



Caution

Caution: Indicates potential damage to hardware or software, or loss of data.



Warning: Indicates a risk of personal injury.

Document Status

Doc Status: UE ConSole User Guide

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1 前言

1.1 MSCViewer 主要功能

MSCViewer – Message Sequence Chart Viewer,将消息以序列图方式显示，目前支持两类消息：CI和GKI消息。

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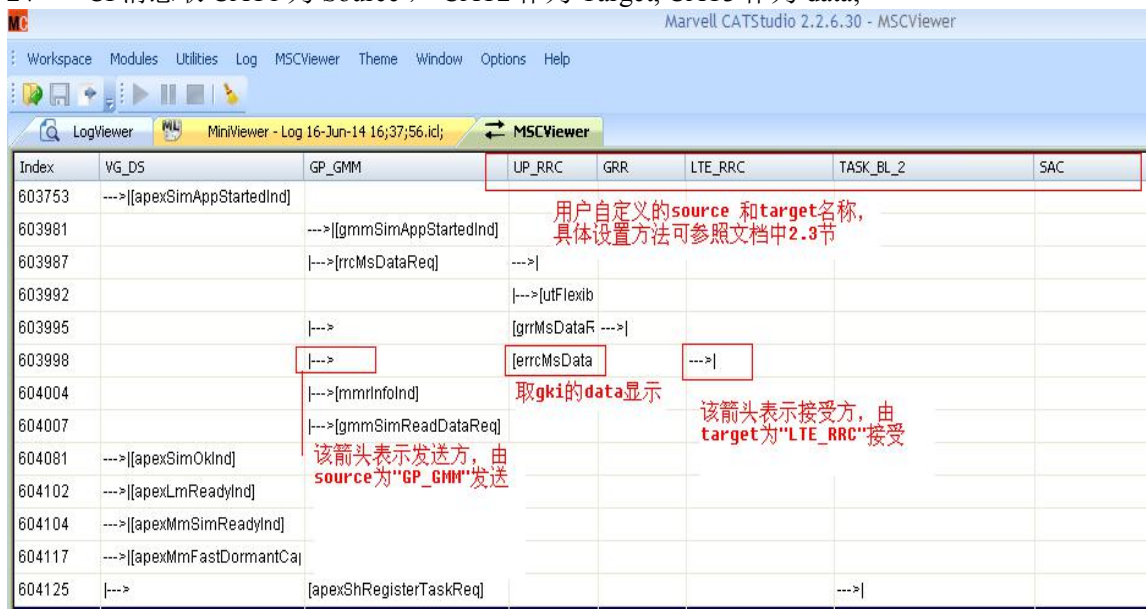
使用用法

2.1 启动 MSCViewer

- 1、启动 CATStudio.exe。
- 2、菜单 Modules->MSCViewer。

2.2 MSCViewer 界面显示规则

- 1、GKI 消息显示规则，取 GKI 消息的 Source Task ID 和 Target Task ID 作为 MSCViewer 序列图中 Source 和 Target, GKI 的 data 显示在 MSCViewer.
- 2、CI 消息取 CAT1 为 Source，CAT2 作为 Target, CAT3 作为 data;



Index	VG_DS	GP_GMM	UP_RRC	GRR	LTE_RRC	TASK_BL_2	SAC
603753	--->[[apexSimAppStartedInd]						
603981		--->[[gmmSimAppStartedInd]					
603987		--->[[rrcMsDataReq]	--->				
603992			--->[[utFlexib				
603995		--->	[[grrMsDataF	--->			
603998		--->	[[errcMsData		--->		
604004		--->[[mmrInfolnd]					
604007		--->[[gmmSimReadDataReq]					
604081	--->[[apexSimOkInd]						
604102	--->[[apexLmReadyInd]						
604104	--->[[apexMmSimReadyInd]						
604117	--->[[apexMmFastDormantCa]						
604125	--->	[[apexShRegisterTaskReq]				--->	

2.3 配置消息

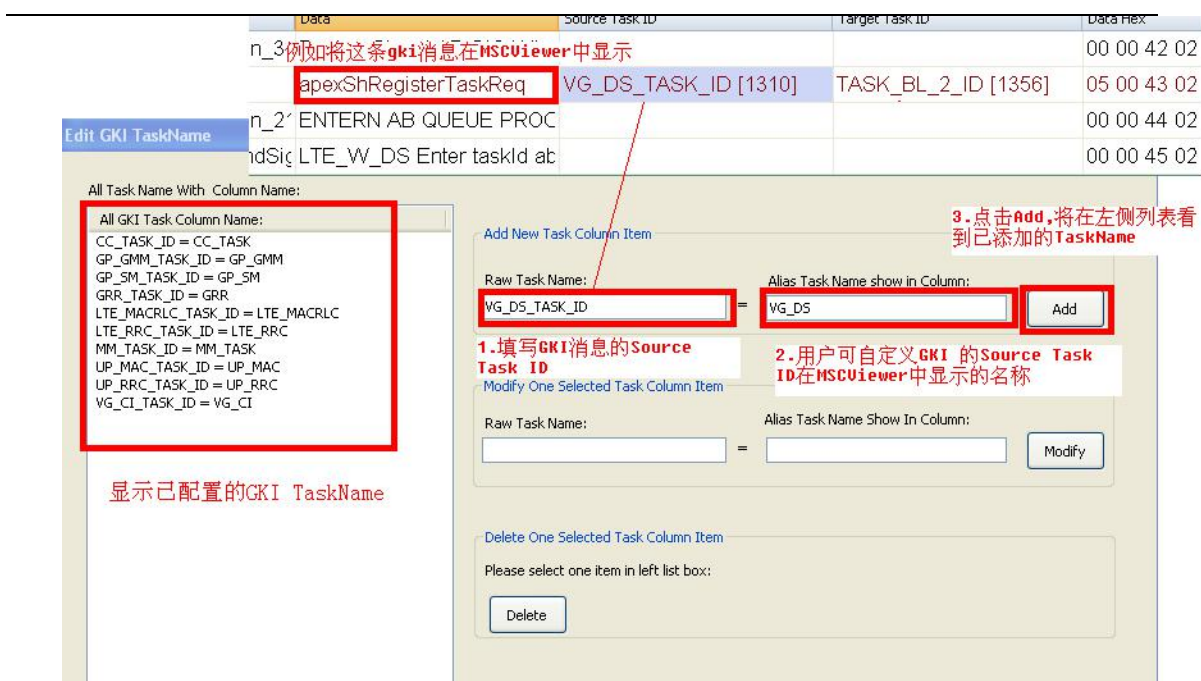
GKI和CI消息需要在MSCViewer中配置source和target才以序列图方式显示。

2.3.1 GKI 消息配置

GKI消息取Source Task ID 和Target Task ID作为Source 和Target. 配置方法如下所示:

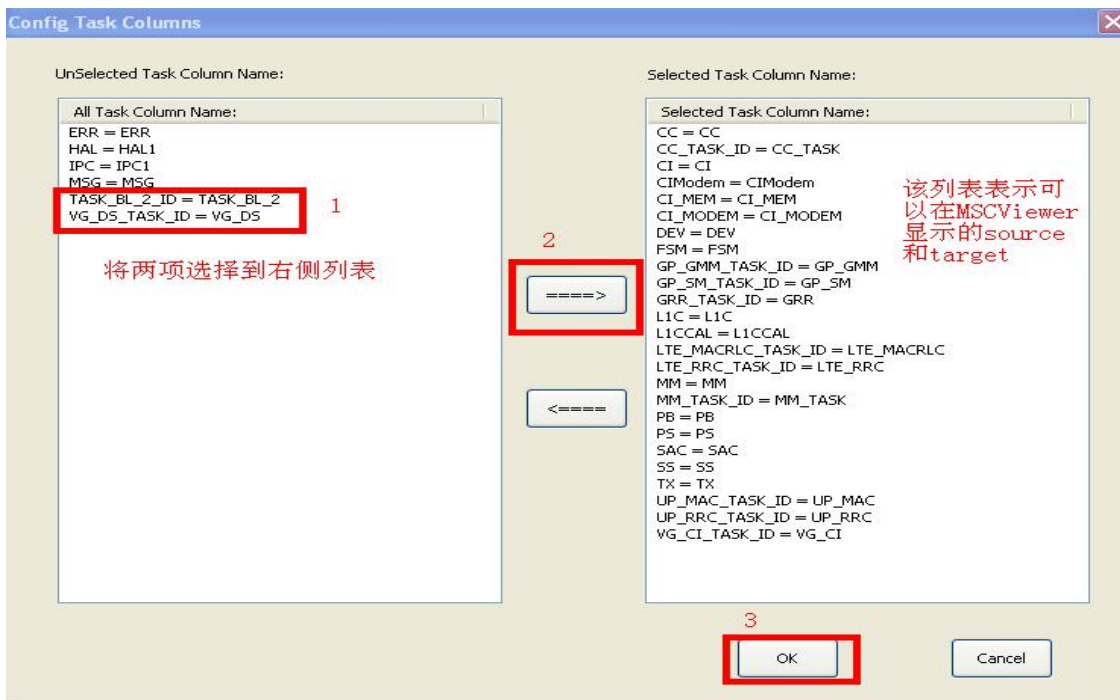
Step1: 菜单MSCViewer—>Edit GKI TaskName;

Step2:例如配置“apexShRegisterTaskReq”该条消息的source，如下图所示:



Step3: 配置Target方法同step2;

Step4: 菜单MSCViewer—>Config Task Cols, 该步骤是将step2和step3中的配置的source和target显示到MSCViewer。



Step5: 菜单MSCViewer→ Refresh, MscViewer更新配置重新加载log, 该条消息在MSCViewer显示如下图所示:

Index	VG_DS	GP_GMM	UP_RRC	GRR	LTE_RRC	TASK_BL_2
604164		[apexShRegisterTaskReq]				
604176	source	[apexShRegisterTaskReq]				target
604189		[apexShRegisterTaskReq]				t
604199		[apexShRegisterTaskReq]				
604212		[apexShRegisterTaskReq]				
604225		[apexShRegisterTaskReq]				

2.3.2 CI 消息配置

CI消息取CAT1为Source，CAT2作为Target, CAT3作为data. 配置方法如下所示：

Step1: 菜单MSCViewer—>“Edit CAT123 TaskName”；

Step2:例如配置“HAL_IPC_PLP_MSG”显示在MSCViewer，如下图所示：

所有CAT123消息显示在此列表

source target data

取CI消息的CAT1 取CI消息的CAT2 取CI消息CAT3作为DATA在MSCViewer中显示

CAT1: HAL 1 CAT2: IPC 2 CAT3: PLP_MSG 3

Source Column Name: HAL1 4 Target Column Name: IPC1 5 CAT123 Data: PLP_MSG 6

用户可自定义CAT1在MSCViewer中的显示名字 CAT2在MSCViewer中显示名字 取cat3作为data

Modify CAT123 Message

CAT1: CAT2: CAT3: 7

Source Column Name: Target Column Name: CAT123 Data:

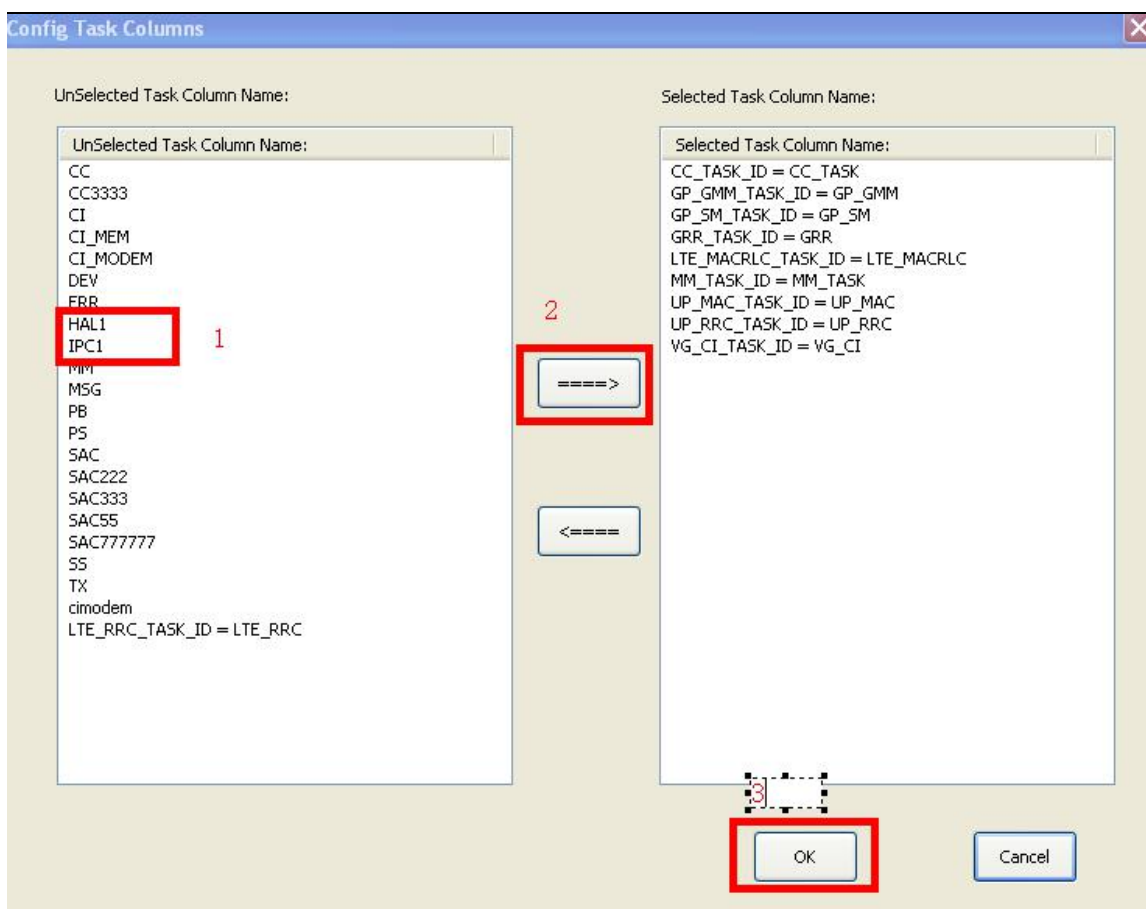
Delete selected CAT123 Item

Please select one item in left list box:

Delete

Modify

Step4: 菜单MSCViewer—>Config Task Cols, 该步骤是将step2中的配置的source和target显示到MSCViewer。



Step5: 菜单MSCViewer→ Refresh, MscViewer更新配置重新加载log, 该条消息在MSCViewer显示如下图所示:

LogViewer MiniViewer - Log 2014-04-24 15:53:12.icl; MSCViewer					
Index	HAL1	source	IPC1	target	U
5108030	---> PLP_MSG			--->	
5108031				--->	
5108037		data		--->	
5108041				--->	
5108053				--->	
5108054				--->	
5108085				--->	
5108120					--

3 Appendix

3.1 *Report issues*

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Or contact ASR FAE/AE

Or please send email to lianghuxu@asrmicro.com with "PC Tools User Doc Issue/Update: ..." title

Or submit an issue at CQ web: <http://sh2-cq01.asrmicro.com/cqweb/login>.

3.2 *Update this document*

Please send updated document to lianghuxu@asrmicro.com with "PC Tools User Doc Issue/Update: ..." title for merging, and you will receive merged latest version.

3.3 *Revision History*

Rev	Description	Date
1.00	Initial version	2012-04-11
1.01	Commit to SVN.	2012-04-19