

# CMS Snapshot Analysis - Run Universal Analyzer - Shell - Error Free Logs - CAST AIP 83

## Purpose

This page provides information about the various steps that are involved in the execution of Shell Application. Shell is a technology for which the analysis is done by the Universal Analyzer i.e. Analysis of Shell can only be done if the Universal Analyzer Language Pack of Shell has been installed.

The Universal Analyzer analyzes the Shell application and this page provides the detailed information on all the processes and steps that take place after an analysis is launched.

It will give details about the information that is written in the logs that are generated for Analysis. Refer to the official documentation of Shell Extension for more details: [Shell](#)

For information on Universal Analyzer, refer to this document: [Universal Analyzer](#)

For 8.0.x : CAST Management Studio - Help > Configuration > Preferences > CAST General

For official documentation 8.0.x : [CMS - Run analysis only](#)

In this page, the different logs lines corresponding to the **Run Shell Analyzer** are listed with functional and technical explanation of the logs that it generates.

- [CAST-MS-\[Date\]-\[Time\].log.txt](#)
- [My\\_Universal\\_Analysis\\_\[DateTime\].castlog](#)
- [CAST\\_MainTask\\_SummaryLog\\_\[Date\]-\[Time\].txt](#)

## Excerpt Macro - Logs - Full Analysis Image for 83

Task	Duration	Progress	Log	Results
Take a snapshot of the application	6m28s			
Snapshot generation	6m28s			
Synchronize Services	1s			
Application "JZEE Application"	4m56s			
Tools before analysis	13s			
My SQL Tool	1s	Yes		
Run CSV generation	6s	Yes		
My External Program	7s	Yes		
Run analysis for "JZEE Application"	1m54s			
Run SQL Analyzers "My Package 2_15668"	20s	Yes		
Compute Analysis Unit full content	1s			Number of objects selected : 29
Compute content for Refined Target	1s			
Run metrics calculation for My Package 2	20s	Yes		Number of objects selected : 41
Compute dependency dataset	1s			
Run JZEE Analyzer "My Source file based execution unit_15712"	40s	Yes		
Clean dependency dataset	1s			
Compute Analysis Unit full content for BusinessHelloWorld	1s			Number of objects selected : 93
Run metrics calculation for My Source file based execution unit	22s	Yes		
Run Universal Analyzer "HTML5_37480"	2m36s	Yes		
Clean dependency dataset	1s			
Compute Analysis Unit full content for HTML5	1s			Number of objects selected : 1103
Run metrics calculation for HTML5	27s	Yes		
Run reference pattern "My Reference Pattern"	10s			
Create source set for My Reference Pattern	1s			Number of objects selected : 175
Create target set for My Reference Pattern	1s			
Run Reference Finder Analyzers "RP_My Reference Pattern_15732"	9s	Yes		
Delete source set for My Reference Pattern	1s			
Delete target set for My Reference Pattern	1s			
Run Extensions at application level for JZEE Application	3s	Yes		
Tools after analysis	2m35s			
My SQL Tool	1s	Yes		
My External Program	2m00s	Yes		
My Update CAST Knowledge Base	3s	Yes		Knowledge Base Modifications successful
Run Universal Importer "My Universal Importer"	14s	Yes		
Run CSV generation	7s	Yes		
Create source set for My Reference Pattern	1s			Number of objects selected : 175
Run Reference Pattern Search String "My Reference Pattern Search String"	9s	Yes		
Delete source set for My Reference Pattern	1s			
Run Escalated Links Calculation on "JZEE Application"	2s			
Run Copy Paste metrics calculation for JZEE Application	4s			
Analyze Copy Paste code	1s			
Save results to database	3s			
Run Dynamic Link Manager	1s	Yes		
Update SQL XML Table Size for "JZEE Application"	1s			skipped : no Table Size data
Run Data Flow Security Analysis on "JZEE Application"	1s			skipped : User input security is not activated for this application
Prepare snapshot in "cb802_sbo_local"	6s			
Generate Modules in "cb802_sbo_local"	1s			
Run CSV generation	6s	Yes		
Run Path builder on "cb802_sbo_local"	1s			
Update Sources in "cb802_sbo_local"	1s			
Finalize Data Flow Security in "cb802_sbo_local"	1s			
Create Architecture Model in "cb802_sbo_local"	1s			
Create Architecture Model in "cb802_sbo_central"	1s			
Synchronize Assessment Model in cb802_sbo_central	12s			
Create Snapshot Definition in "cb802_sbo_central"	1s			
Compute Snapshot in "cb802_sbo_central" with associated Analysis Services	1m06s	Yes		
Configure snapshot data into dashboard service.	1s	Yes		
Transfer sources, positions and bookmarks into dashboard service.	1s	Yes		
Synchronize Snapshot List from "cb802_sbo_central"	1s			
Dashboard automation in "cb802_sbo_central"	1s			
Execution Summary	1s	Yes		

## CAST-MS-[Date]-[Time].log.txt

Section of *CAST-MS Management Studio log file* dealing with Shell analyzer. Get the location at [CAST Logs location](#).

**This section provides the information of the type of analyzer being used based on the technology which is being analyzed in the application. It provides the details about the command line for running universal analyzer, connection profile and also provides the path of the Analysis Log for more details about the analysis of a single Analysis Unit.**

**INF: 2016-07-20 09:45:05: starting Task Run analysis for 'V1'**

**Specifying the option -RUN\_AU ,the following command line launches analysis unit by retrieving the ID of the Analysis Unit inside the JobSettings.xml.**

**"\shell\_SHELL\_13739-20160720094505.castlog" present the log file of the command line (see option -LOG), this command line can be run from CMD after delivering the application.**

**INF: 2018-06-25 11:07:37: starting Task Run Universal Analyzer "My Universal Analysis Unit\_33178"**

INF: 2018-06-25 11:07:37: C:\Flat Service Packs\8.3.3\anarun.exe -CONNECT\_PROFILE('SFRW7LAP:2280 on CastStorageService.salim\_833\_local') -RUN\_AU(40101,40102,C:

\ProgramData\CAST\CASTMS\LISA\922d566c37114f85ae469faae40dc2ca\Scrfd4b95ede7314adc8efc6cd709df2e77\JobSettings.xml') -

MANAGED(40101) -SESSION\_ID(40102) -LOG('C:\ProgramData\CAST\CAST\Logs\TKB Shell\Run\_Analysis\_on\_th\_1067\My\_Universal\_Analysis-20180625-110726.castlog',TRUNCATE) -LARGESTORAGE('C:\ProgramData\CAST\CAST\CASTMS',C:

\ProgramData\CAST\CAST\CASTMS',922d566c37114f85ae469faae40dc2ca\Scrfd4b95ede7314adc8efc6cd709df2e77') -LOGIN(,CASTCORP\SFR,) -APP(-NOGUI) -FINAL\_UPDATE -NOPROGRESS -EXIT

INF: 2018-06-25 11:07:51: #PMC#About to run JOB\_UNIVERSAL\_ANALYZER job 'My Universal Analysis Unit\_33178'.

INF: 2018-06-25 11:07:51: About to run JOB\_UNIVERSAL\_ANALYZER job 'My Universal Analysis Unit\_33178'.

INF: 2018-06-25 11:08:20: Adding new Project: My Universal Analysis Unit\_33178

INF: 2018-06-25 11:08:20: Guid set

INF: 2018-06-25 11:08:20: persistence posted

INF: 2018-06-25 11:08:20: identification set

INF: 2018-06-25 11:08:20: description set

INF: 2018-06-25 11:08:20: fullname set

INF: 2018-06-25 11:08:20: identification posted

INF: 2018-06-25 11:08:20: project posted

INF: 2018-06-25 11:08:20: UnivProject id = #4

INF: 2018-06-25 11:08:20: IsInProjectLink added

INF: 2018-06-25 11:08:32: #PMC# Execution date=2018/06/25 09:08

INF: 2018-06-25 11:08:32: Execution date=2018/06/25 09:08

INF: 2018-06-25 11:08:32: #PMC# Execution duration=0 days, 00 hours, 00 mins, 41 secs

INF: 2018-06-25 11:08:32: Execution duration=0 days, 00 hours, 00 mins, 41 secs

INF: 2018-06-25 11:08:32: #PMC# Execution result=success

INF: 2018-06-25 11:08:32: Execution result=success

INF: 2018-06-25 11:08:32: Loading ini file: C:\Users\SFR~1\CAS\AppData\Local\Temp\CAST\CAST\8.3\AMRunResult40102.INI

INF: 2018-06-25 11:08:32: Task message: No Task message

INF: 2018-06-25 11:08:32: Log file: C:\ProgramData\CAST\CAST\Logs\TKB Shell\Run\_Analysis\_on\_th\_1067\My\_Universal\_Analysis-20180625-110726.castlog

**INF: 2018-06-25 11:08:32: ending Task Run Universal Analyzer "My Universal Analysis Unit\_33178"**

## My\_Universal\_Analysis-20180625-110726.castlog

### My\_Universal\_Analysis\_[DateTime].castlog

**This section provides information on the environment in which analysis is about to run,the location of LISA ,LTSA,LSA folder and the local /knowledge base being used for analysis.**

**2018-06-25 11:07:38.956706 Information MODULMSG ; Job execution CAIP Version: CAST 8.3.3 ( Build 1591 )**

2018-06-25 11:07:38.956706 Information MODULMSG ; Job execution LISA folder: C:\ProgramData\CAST\CAST\CASTMS

2018-06-25 11:07:38.956706 Information MODULMSG ; Job execution LTSA folder: C:\ProgramData\CAST\CAST\CASTMS

2018-06-25 11:07:38.958708 Information MODULMSG ; Job execution LSA relative folder:

922d566c37114f85ae469faae40dc2ca\Scrfd4b95ede7314adc8efc6cd709df2e77

2018-06-25 11:07:43.350692 Information MODULMSG ; Job execution Using Knowledge Base on schema salim\_833\_local.

2018-06-25 11:07:49.339800 Information MODULMSG ; Job execution Registering extension com.castsoftware.python 1.0.0-funcnel.

**2018-06-25 11:07:49.339800 Information MODULMSG ; Job execution Registering extension com.castsoftware.shell 1.0.7.**

2018-06-25 11:07:49.339800 Information MODULMSG ; Job execution Registering extension com.castsoftware.jee 1.0.4

[ ... ]

**This section provides information that environment information has taken into account,metamodel is loaded and analysis is about to start.**

2018-06-25 11:07:49.745539 Information MODULMSG ; Job execution Loading meta model from repository . . .  
2018-06-25 11:07:50.756788 Information MODULMSG ; Job execution Meta model loaded.  
2018-06-25 11:07:51.612862 Information MODULMSG ; Job execution RunAnalysis started

**This section shows all the configuration messages. All the options configured in CAST- MS like the extensions included in analysis,column of indicator area,tabular length,any custom environment profiles ,source file path,include file path, etc that are required to run a perfect analysis are shown in the log message during the beginning.**

2018-06-25 11:07:51.618856 Information MODULMSG ; Job execution Name : My Universal Analysis Unit  
2018-06-25 11:07:51.619842 Information MODULMSG ; Job execution Universal language  
2018-06-25 11:07:51.619842 Information MODULMSG ; Job execution Extensions used in jobSettings : \*.ksh;\*.sh;\*.ssh;\*.csh;\*.bsh;\*.shell  
2018-06-25 11:07:51.619842 Information MODULMSG ; Job execution Name : SHELL  
2018-06-25 11:07:51.619842 Information MODULMSG ; Job execution Description : Shell Scripts  
2018-06-25 11:07:51.619842 Information MODULMSG ; Job execution Sources  
2018-06-25 11:07:51.619842 Information MODULMSG ; Job execution File Path : C:\CASTMS-833\Deploy\TKB Shell\Shell  
2018-06-25 11:07:51.619842 Information MODULMSG ; Job execution Permission : Include  
2018-06-25 11:07:51.619842 Information MODULMSG ; Job execution Universal language  
2018-06-25 11:07:51.619842 Information MODULMSG ; Job execution Extensions used in jobSettings : \*.ksh;\*.sh;\*.ssh;\*.csh;\*.bsh;\*.shell  
2018-06-25 11:07:51.619842 Information MODULMSG ; Job execution Name : SHELL  
2018-06-25 11:07:51.619842 Information MODULMSG ; Job execution Description : Shell Scripts  
2018-06-25 11:07:51.620839 Information MODULMSG ; Job execution Number of Instances : 200000  
2018-06-25 11:07:51.620839 Information MODULMSG ; Job execution Activate AMT Memory Profiling : 0  
2018-06-25 11:07:51.620839 Information MODULMSG ; Job execution Activate Inference Engine technical log : 0  
2018-06-25 11:07:51.620839 Information MODULMSG ; Job execution Activate Inference Engine traces : 0  
2018-06-25 11:07:51.620839 Information MODULMSG ; Job execution Activate Metrics traces : 0  
2018-06-25 11:07:51.620839 Information MODULMSG ; Job execution Include debug messages : 0  
2018-06-25 11:07:51.620839 Information MODULMSG ; Job execution Skip Metrics compute : 0  
2018-06-25 11:07:51.620839 Information MODULMSG ; Job execution Skip analysis result save : 0  
2018-06-25 11:07:51.620839 Information MODULMSG ; Job execution Show SQL : 0  
2018-06-25 11:07:51.620839 Information MODULMSG ; Job execution SESSION CONTEXT details: 40101 ; 40102 = "TKB Shell"."My Universal Analysis Unit\_33178"

**This section shows that the analysis step has started.**

2018-06-25 11:07:51.622849 Information MODULMSG ; Job execution About to run JOB\_UNIVERSAL\_ANALYZER job 'My Universal Analysis Unit\_33178'.  
2018-06-25 11:07:51.689804 Information MODULMSG ; Job execution Total physical memory: 8064 MB.

**This section shows the number of external link components loaded (the client server components being loaded) and validation results and the files that are being analyzed.**

2018-06-25 11:07:52.124639 Information MODULMSG ; Job execution External link component has loaded 0 objects  
2018-06-25 11:07:52.181607 Information MODULMSG ; Job execution External link component has loaded 0 objects

**This section shows the preprocessing.**

2018-06-25 11:07:53.174850 Information MODULMSG ; Job execution PreProcessing Started...  
2018-06-25 11:07:54.201487 Information MODULMSG ; Job execution PreProcessing Finished

**This section shows the files that are being processed in the LISA FOLDER during the analysis.**

2018-06-25 11:08:21.139494 Information MODULMSG ; Job execution Starting processing of file 'C:\ProgramData\CAST\CAST\CASTMS\LISA\922d566c37114f85ae469faae40dc2ca\Scrfd4b95ede7314adc8efc6cd709df2e77\My Universal Analysis Unit\_33178\238099948\_SHELL\update\_iadmp\_dma\_dump.sh'  
2018-06-25 11:08:21.179469 Information MODULMSG ; Job execution File processed : 'C:\ProgramData\CAST\CAST\CASTMS\LISA\922d566c37114f85ae469faae40dc2ca\Scrfd4b95ede7314adc8efc6cd709df2e77\My Universal Analysis Unit\_33178\238099948\_SHELL\update\_iadmp\_dma\_dump.sh'  
2018-06-25 11:08:21.415336 Information MODULMSG ; Job execution External link component has loaded 0 objects

[ ...  
]

.....

**This section shows checksum computation.**

2018-06-25 11:08:21.713171 Information MODULMSG ; Job execution Starting checksum processing  
2018-06-25 11:08:21.975023 Information MODULMSG ; Job execution End checksum processing

**This section shows UA Resolution of objects.**

**2018-06-25 11:08:22.085980 Information MODULMSG ; Job execution Starting UA resolution**

2018-06-25 11:08:22.088974 Information MODULMSG ; Job execution UA Resolution in progress:5 percent complete (remaining of all suspensions : 21)  
2018-06-25 11:08:22.088974 Information MODULMSG ; Job execution UA Resolution in progress:10 percent complete (remaining of all suspensions : 20)  
2018-06-25 11:08:22.088974 Information MODULMSG ; Job execution UA Resolution in progress:15 percent complete (remaining of all suspensions : 19)  
2018-06-25 11:08:22.088974 Information MODULMSG ; Job execution UA Resolution in progress:20 percent complete (remaining of all suspensions : 18)  
2018-06-25 11:08:22.090958 Information MODULMSG ; Job execution UA Resolution in progress:25 percent complete (remaining of all suspensions : 17)  
2018-06-25 11:08:22.092957 Information MODULMSG ; Job execution UA Resolution in progress:30 percent complete (remaining of all suspensions : 15)  
2018-06-25 11:08:22.092957 Information MODULMSG ; Job execution UA Resolution in progress:35 percent complete (remaining of all suspensions : 14)  
2018-06-25 11:08:22.093973 Information MODULMSG ; Job execution UA Resolution in progress:40 percent complete (remaining of all suspensions : 13)  
2018-06-25 11:08:22.093973 Information MODULMSG ; Job execution UA Resolution in progress:45 percent complete (remaining of all suspensions : 12)  
2018-06-25 11:08:22.093973 Information MODULMSG ; Job execution UA Resolution in progress:50 percent complete (remaining of all suspensions : 11)  
2018-06-25 11:08:22.093973 Information MODULMSG ; Job execution UA Resolution in progress:55 percent complete (remaining of all suspensions : 10)  
2018-06-25 11:08:22.095974 Information MODULMSG ; Job execution UA Resolution in progress:60 percent complete (remaining of all suspensions : 8)  
2018-06-25 11:08:22.095974 Information MODULMSG ; Job execution UA Resolution in progress:65 percent complete (remaining of all suspensions : 7)  
2018-06-25 11:08:22.095974 Information MODULMSG ; Job execution UA Resolution in progress:70 percent complete (remaining of all suspensions : 6)  
2018-06-25 11:08:22.097958 Information MODULMSG ; Job execution UA Resolution in progress:75 percent complete (remaining of all suspensions : 5)  
2018-06-25 11:08:22.100955 Information MODULMSG ; Job execution UA Resolution in progress:80 percent complete (remaining of all suspensions : 4)  
2018-06-25 11:08:22.101971 Information MODULMSG ; Job execution UA Resolution in progress:85 percent complete (remaining of all suspensions : 3)  
2018-06-25 11:08:22.101971 Information MODULMSG ; Job execution UA Resolution in progress:90 percent complete (remaining of all suspensions : 2)  
2018-06-25 11:08:22.101971 Information MODULMSG ; Job execution UA Resolution in progress:95 percent complete (remaining of all suspensions : 0)

**2018-06-25 11:08:22.101971 Information MODULMSG ; Job execution End UA resolution**

**This section indicate that analysis process compares the results in the Knowledge base**

**2018-06-25 11:08:22.415777 MODULMSG ; Job execution Comparing objects on server . . .**  
**2018-06-25 11:08:27.664352 MODULMSG ; Job execution Comparison completed.**

**This section indicate that analysis process flushes the results in the Knowledge base**

**2018-06-25 11:08:27.664352 MODULMSG ; Job execution Merging objects on server . . .**  
**2018-06-25 11:08:31.142305 MODULMSG ; Job execution Merge completed.**

**This section shows the execution date and time,the time taken for the entire analysis to get completed,the number of fatal errors/errors /warnings/information messages.**

**2018-06-25 11:08:32.551518 Information MODULMSG ; Job execution New Job status**  
2018-06-25 11:08:32.552517 Information MODULMSG ; Job execution Execution date=2018/06/25 09:08  
2018-06-25 11:08:32.554515 Information MODULMSG ; Job execution Execution duration=0 days, 00 hours, 00 mins, 41 secs  
2018-06-25 11:08:32.555515 Information MODULMSG ; Job execution Execution result=success  
2018-06-25 11:08:32.555515 Information MODULMSG ; Job execution Analysis completed  
**2018-06-25 11:08:32.675449 Information MODULMSG ; Job execution 0 fatal error(s); 0 error(s); 0 warning(s); 118 information message(s).**

CAST\_MainTask\_SummaryLog-20180625-110905.log.txt

## CAST\_MainTask\_SummaryLog\_[Date]-[Time].txt

**Status: Execution succeeded**

Start: Mon Jun 25 11:07:24 CEST 2018  
OS Version: Windows 8.1 (version 6.3)  
Machine name: SFRW7LAP  
Software Version: CAST 8.3.3 ( Build 1591 )  
Task: Run Analysis on the current analysis unit's group  
Total duration: 1m41s

-- Statistics for application TKB Shell --  
Analysis duration: 1m39s  
Nb of modules: 0  
Nb of active analysis units: 1  
Nb of inactive analysis units: 0  
Total nb of analysis units: 1  
Nb of saved objects: 16

**Summary is saved at C:\ProgramData\CAST\CAST\Logs\TKB Shell\Run\_Analysis\_on\_th\_1067\CAST\_MainTask\_SummaryLog-20180625-110905.txt**