

CMS Snapshot Analysis - Run Universal Analyzer - Node js

- Error Free Logs - CAST AIP 83

Purpose

This page provides a description of different logs created when generating a snapshot with Node.js analysis. Note that the Node.js analyzer relies on the HTML5/Javascript analyzer.

You may refer to [official documentation](#)

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

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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

In the CAST MS log file we have many useful information regarding the environment : the CAST Installation folder used (we can find it in the command line to run the tool), the LISA and LTSA location and log file location

INF: 2018-06-19 11:16:04: starting Task Run Universal Analyzer "HTML5_33140"

INF: 2018-06-19 11:16:04: C:\Program Files\CAST\8.3\anarun.exe -CONNECT_PROFILE('SFRW7LAP:2280 on CastStorageService.salim_833_local') - RUN_AU(39201,39202,'C:\ProgramData\CAST\CAST\CASTMS\LISA\c66a48d76b394424a92bcc0176ffe65c\Scree0cab709accf431289e4d2904d989310\JobSettings.xml') - MANAGED(39201) -SESSION_ID(39202) -LOG('C:\ProgramData\CAST\CAST\Logs\TKB NodeJS\Run_Analysis_only_878\HTML5_33140-20180619-111550.castlog',TRUNCATE) -LARGESTORAGE('C:\ProgramData\CAST\CAST\CASTMS','C:\ProgramData\CAST\CAST\CASTMS','c66a48d76b394424a92bcc0176ffe65c\Scree0cab709accf431289e4d2904d989310') -LOGIN(CASTCORP\SFR,) -APP(-NOGUI) -FINAL_UPDATE -NOPROGRESS -EXIT

INF: 2018-06-19 11:16:25: #PMC#About to run JOB_UNIVERSAL_ANALYZER job 'HTML5_33140'.
INF: 2018-06-19 11:16:25: About to run JOB_UNIVERSAL_ANALYZER job 'HTML5_33140'.
INF: 2018-06-19 11:16:38: Initializing logging context in a new thread for parent thread 1. Logging.runInNewThreadContext should be used instead
INF: 2018-06-19 11:17:00: Adding new Project: HTML5_33140
INF: 2018-06-19 11:17:00: Guid set
INF: 2018-06-19 11:17:00: persistence posted
INF: 2018-06-19 11:17:00: identification set
INF: 2018-06-19 11:17:00: description set
INF: 2018-06-19 11:17:00: fullname set
INF: 2018-06-19 11:17:00: identification posted
INF: 2018-06-19 11:17:00: project posted
INF: 2018-06-19 11:17:00: UnivProject id = #4
INF: 2018-06-19 11:17:00: IsInProjectLink added
INF: 2018-06-19 11:17:21: #PMC# Execution date=2018/06/19 09:17
INF: 2018-06-19 11:17:21: Execution date=2018/06/19 09:17
INF: 2018-06-19 11:17:21: #PMC# Execution duration=0 days, 00 hours, 00 mins, 56 secs
INF: 2018-06-19 11:17:21: Execution duration=0 days, 00 hours, 00 mins, 56 secs
INF: 2018-06-19 11:17:21: #PMC# Execution result=success
INF: 2018-06-19 11:17:21: Execution result=success
INF: 2018-06-19 11:17:22: Loading ini file: C:\Users\SFR-1\CAS\AppData\Local\Temp\CAST\CAST\8.3\AMRunResult39202.INI
INF: 2018-06-19 11:17:22: Task message: No Task message
INF: 2018-06-19 11:17:22: Log file: C:\ProgramData\CAST\CAST\Logs\TKB NodeJS\Run_Analysis_only_878\HTML5_33140-20180619-111550.castlog
INF: 2018-06-19 11:17:22: ending Task Run Universal Analyzer "HTML5_33140"

HTML5_[Exec Unit ID]-[Date]-[Time].castlog

This is the Node.js analysis log file. The Node.js analyzer is based on the HTML5/Javascript analyzer, that is why some messages related to the latter can be found.

Messages specific to the Node.js analyzer are prefixed by [com.castsoftware.nodejs] , whereas generic HTML5/javascript messages are prefixed by [com.castsoftware.html5]

Environment information

2018-06-19 11:16:07.851781 Information MODULMSG ; Job execution CAIP Version: CAST 8.3.3 (Build 1591)
2018-06-19 11:16:07.851781 Information MODULMSG ; Job execution LISA folder: C:\ProgramData\CAST\CAST\CASTMS
2018-06-19 11:16:07.852267 Information MODULMSG ; Job execution LTSA folder: C:\ProgramData\CAST\CAST\CASTMS
2018-06-19 11:16:07.852267 Information MODULMSG ; Job execution LSA relative folder:
c66a48d76b394424a92bcc0176ffe65c\Scree0cab709accf431289e4d2904d989310
2018-06-19 11:16:13.149654 Information MODULMSG ; Job execution Using Knowledge Base on schema salim_833_local.

Run analysis is about to start

In this stage, installed extensions are registered and meta-model is loaded from knowledge base

2018-06-19 11:16:23.688955 Information MODULMSG ; Job execution Registering extension com.castsoftware.python 1.0.0-funcrel.
2018-06-19 11:16:23.688955 Information MODULMSG ; Job execution Registering extension com.castsoftware.dmtxmlscanner 1.0.0-funcrel.
2018-06-19 11:16:23.689454 Information MODULMSG ; Job execution Registering extension com.castsoftware.dotnet 1.0.0.
2018-06-19 11:16:23.689454 Information MODULMSG ; Job execution Registering extension com.castsoftware.html5 1.7.1.
2018-06-19 11:16:23.689454 Information MODULMSG ; Job execution Registering extension com.castsoftware.internal.platform 0.6.0.
2018-06-19 11:16:23.689454 Information MODULMSG ; Job execution Registering extension com.castsoftware.jaxrs 1.3.1.
2018-06-19 11:16:23.689454 Information MODULMSG ; Job execution Registering extension com.castsoftware.jaxws 1.0.0-funcrel.
2018-06-19 11:16:23.689454 Information MODULMSG ; Job execution Registering extension com.castsoftware.jee 1.0.4.
2018-06-19 11:16:23.689952 Information MODULMSG ; Job execution Registering extension com.castsoftware.jquery 1.6.0.
2018-06-19 11:16:23.690451 Information MODULMSG ; Job execution Registering extension com.castsoftware.nodejs 1.6.0.
2018-06-19 11:16:23.690952 Information MODULMSG ; Job execution Registering extension com.castsoftware.springmvc 1.5.0.
2018-06-19 11:16:23.691450 Information MODULMSG ; Job execution Registering extension com.castsoftware.sqlanalyzer 2.3.1.
2018-06-19 11:16:23.691951 Information MODULMSG ; Job execution Registering extension com.castsoftware.wbslinker 1.5.0.
2018-06-19 11:16:23.691951 Information MODULMSG ; Job execution Registering extension com.castsoftware.webfilesdiscoverer 1.1.0.
2018-06-19 11:16:23.691951 Information MODULMSG ; Job execution Registering extension com.castsoftware.JEE-MavenHttp 2.0.0.
2018-06-19 11:16:23.692447 Information MODULMSG ; Job execution Registering extension com.castsoftware.angularjs 1.6.0.
2018-06-19 11:16:23.692447 Information MODULMSG ; Job execution Registering extension com.castsoftware.businessobject 1.0.2.
2018-06-19 11:16:23.692447 Information MODULMSG ; Job execution Registering extension com.castsoftware.dmtboextractiondiscoverer 1.0.0.
2018-06-19 11:16:24.337749 Information MODULMSG ; Job execution Loading meta model from repository . . .
2018-06-19 11:16:25.627351 Information MODULMSG ; Job execution Meta model loaded.

Configuration Information

For each Universal Analysis Unit: Universal language , File extensions, Name, and Description are logged. Then, a list of the Source files, with path and permission

2018-06-19 11:16:25.904337 Information MODULMSG ; Job execution RunAnalysis started
2018-06-19 11:16:25.911823 Information MODULMSG ; Job execution Analysis Unit description :
2018-06-19 11:16:25.911823 Information MODULMSG ; Job execution Name : HTML5
2018-06-19 11:16:25.912324 Information MODULMSG ; Job execution Universal language
2018-06-19 11:16:25.912324 Information MODULMSG ; Job execution Extensions used in jobSettings : *.js;*.ts;*.jsx;*.tsx;*.html;*.htm;*.xhtml;*.jsp;*.xml;*.json;*.css;*.asp;*.aspx;*.htc;*.cshtml
2018-06-19 11:16:25.912324 Information MODULMSG ; Job execution Name : HTML5
2018-06-19 11:16:25.912324 Information MODULMSG ; Job execution Description : HTML5/Javascript
2018-06-19 11:16:25.912324 Information MODULMSG ; Job execution Sources
2018-06-19 11:16:25.912324 Information MODULMSG ; Job execution File Path : C:\CASTMS-833\Deploy\TKB NodeJS\NodeJS
2018-06-19 11:16:25.912324 Information MODULMSG ; Job execution Permission : Include
2018-06-19 11:16:25.912324 Information MODULMSG ; Job execution Universal language
2018-06-19 11:16:25.912822 Information MODULMSG ; Job execution Extensions used in jobSettings : *.js;*.ts;*.jsx;*.tsx;*.html;*.htm;*.xhtml;*.jsp;*.xml;*.json;*.css;*.asp;*.aspx;*.htc;*.cshtml
2018-06-19 11:16:25.912822 Information MODULMSG ; Job execution Number of Instances : 200000

Debug options

2018-06-19 11:16:25.913320 Information MODULMSG ; Job execution Activate AMT Memory Profiling : 0
2018-06-19 11:16:25.913320 Information MODULMSG ; Job execution Activate Inference Engine technical log : 0
2018-06-19 11:16:25.913320 Information MODULMSG ; Job execution Activate Inference Engine traces : 0
2018-06-19 11:16:25.913320 Information MODULMSG ; Job execution Activate Metrics traces : 0
2018-06-19 11:16:25.913320 Information MODULMSG ; Job execution Include debug messages : 0
2018-06-19 11:16:25.913320 Information MODULMSG ; Job execution Skip Metrics compute : 0
2018-06-19 11:16:25.913320 Information MODULMSG ; Job execution Skip analysis result save : 0
2018-06-19 11:16:25.913320 Information MODULMSG ; Job execution Show SQL : 0
2018-06-19 11:16:25.913821 Information MODULMSG ; Job execution SESSION CONTEXT details: 39201 ; 39202 = "TKB NodeJS".
HTML5_33140"

File Processing

Search for the phrase : About to run JOB_UNIVERSAL_ANALYZER

2018-06-19 11:16:25.915317 Information MODULMSG ; Job execution About to run JOB_UNIVERSAL_ANALYZER job 'HTML5_33140'

2018-06-19 11:16:26.000160 Information MODULMSG ; Job execution Total physical memory: 8064 MB.
2018-06-19 11:16:26.715330 Information MODULMSG ; Job execution External link component has loaded 0 objects
2018-06-19 11:16:26.784701 Information MODULMSG ; Job execution External link component has loaded 0 objects

[...]

2018-06-19 11:17:02.155419 Information MODULMSG ; Job execution Starting processing of file 'C:\CASTMS-833\Deploy\TKB NodeJS\NodeJS\config\passport\local.js'
2018-06-19 11:17:02.164901 Information MODULMSG ; Job execution File processed : 'C:\CASTMS-833\Deploy\TKB NodeJS\NodeJS\config\passport\local.js'

Parsing of source files in each root directory

2018-06-19 11:17:02.478475 Information MODULMSG ; Job execution [com.castsoftware.html5] Root directories:

2018-06-19 11:17:02.478475 Information MODULMSG ; Job execution [com.castsoftware.html5] NodeJS: 1 html files, 1 css files, 25 js files, 0 jsp files, 0 asp files

2018-06-19 11:17:02.481486 Information MODULMSG ; Job execution [com.castsoftware.nodejs] start root analysis NodeJS

2018-06-19 11:17:02.482966 Information MODULMSG ; Job execution [com.castsoftware.html5] Start analyzing root NodeJS

Light parsing : all global objects are loaded

2018-06-19 11:17:02.484482 Information MODULMSG ; Job execution [com.castsoftware.html5] Light parsing of file C:\CASTMS-833\Deploy\TKB NodeJS\nodejs\public\js\app.js

2018-06-19 11:17:02.500933 Information MODULMSG ; Job execution [com.castsoftware.html5] Light parsing of file C:\CASTMS-833\Deploy\TKB NodeJS\nodejs\config\passport\twitter.js

2018-06-19 11:17:02.552338 Information MODULMSG ; Job execution [com.castsoftware.html5] Light parsing of file C:\CASTMS-833\Deploy\TKB NodeJS\nodejs\config\passport\local.js

[...]

Full parsing : detailed parsing and resolution of links

2018-06-19 11:17:05.911594 Information MODULMSG ; Job execution [com.castsoftware.html5] Full parsing of file C:\CASTMS-833\Deploy\TKB NodeJS\nodejs\public\js\app.js

2018-06-19 11:17:05.972481 Information MODULMSG ; Job execution [com.castsoftware.html5] Full parsing of file C:\CASTMS-833\Deploy\TKB NodeJS\nodejs\config\passport\twitter.js

2018-06-19 11:17:06.128191 Information MODULMSG ; Job execution [com.castsoftware.html5] Full parsing of file C:\CASTMS-833\Deploy\TKB NodeJS\nodejs\config\passport\local.js

[...]

Summary of objects created for each root directory

2018-06-19 11:17:08.854626 Information MODULMSG ; Job execution [com.castsoftware.nodejs] NodeJS application found C:\CASTMS-833\Deploy\TKB NodeJS\nodejs\server.js

2018-06-19 11:17:08.863110 Information MODULMSG ; Job execution [com.castsoftware.nodejs] end root analysis NodeJS

2018-06-19 11:17:08.866104 Information MODULMSG ; Job execution [com.castsoftware.nodejs] 1 NodeJS applications created.

2018-06-19 11:17:08.866104 Information MODULMSG ; Job execution [com.castsoftware.nodejs] 0 NodeJS web service operations created.

2018-06-19 11:17:08.866104 Information MODULMSG ; Job execution [com.castsoftware.nodejs] 2 NodeJS mongoose models created.

2018-06-19 11:17:08.866104 Information MODULMSG ; Job execution [com.castsoftware.nodejs] 0 NodeJS database accesses found.

2018-06-19 11:17:08.866104 Information MODULMSG ; Job execution [com.castsoftware.nodejs] 0 NodeJS marklogic databases created.

2018-06-19 11:17:08.866603 Information MODULMSG ; Job execution [com.castsoftware.nodejs] 0 NodeJS marklogic collections created.

2018-06-19 11:17:08.866603 Information MODULMSG ; Job execution [com.castsoftware.nodejs] 0 NodeJS CouchDB databases created.

Checksum computation

The analyzer computes checksum of the objects

2018-06-19 11:17:08.961391 Information MODULMSG ; Job execution Starting checksum processing

2018-06-19 11:17:09.256555 Information MODULMSG ; Job execution End checksum processing

UA Resolution

2018-06-19 11:17:09.419678 Information MODULMSG ; Job execution Starting UA resolution

2018-06-19 11:17:09.420177 Information MODULMSG ; Job execution End UA resolution

Saving Step

2018-06-19 11:17:09.799233 MODULMSG ; Job execution Comparing objects on server . . .

2018-06-19 11:17:15.457371 MODULMSG ; Job execution Comparison completed.

2018-06-19 11:17:15.457371 MODULMSG ; Job execution Merging objects on server . . .

2018-06-19 11:17:20.027172 MODULMSG ; Job execution Merge completed.

Execution Summary

2018-06-19 11:17:21.804903 Information MODULMSG ; Job execution New Job status
2018-06-19 11:17:21.806400 Information MODULMSG ; Job execution Execution date=2018/06/19 09:17
2018-06-19 11:17:21.808393 Information MODULMSG ; Job execution Execution duration=0 days, 00 hours, 00 mins, 56 secs
2018-06-19 11:17:21.809393 Information MODULMSG ; Job execution Execution result=success
2018-06-19 11:17:21.809393 Information MODULMSG ; Job execution Analysis completed
2018-06-19 11:17:21.932330 Information MODULMSG ; Job execution 0 fatal error(s); 0 error(s); 0 warning(s); 296 information message(s).

CAST_MainTask_SummaryLog-20180619-111818.txt

CAST_MainTask_SummaryLog-[Date]-[Time].txt

Status: Execution succeeded

Start: Tue Jun 19 11:15:47 CEST 2018
OS Version: Windows 8.1 (version 6.3)
Machine name: SFRW7LAP
Software Version: CAST 8.3.3 (Build 1591)
Task: Run Analysis only
Total duration: 2m31s

-- Statistics for application TKB NodeJS --
Analysis duration: 2m28s
Nb of modules: 1
Nb of active analysis units: 1
Nb of inactive analysis units: 0
Total nb of analysis units: 1
Nb of saved objects: 175

Summary is saved at C:\ProgramData\CAST\CAST\Logs\TKB NodeJS\Run_Analysis_only_878\CAST_MainTask_SummaryLog-20180619-111818.txt