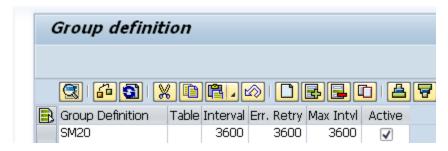
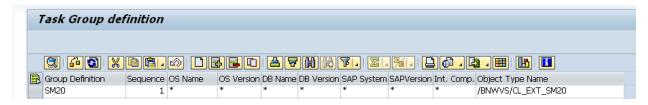
KB 003 - ABAP Extractor SM20

Symptom: What does the SM20 collector extract from SAP and send to Splunk

The SM20 collector runs every hour

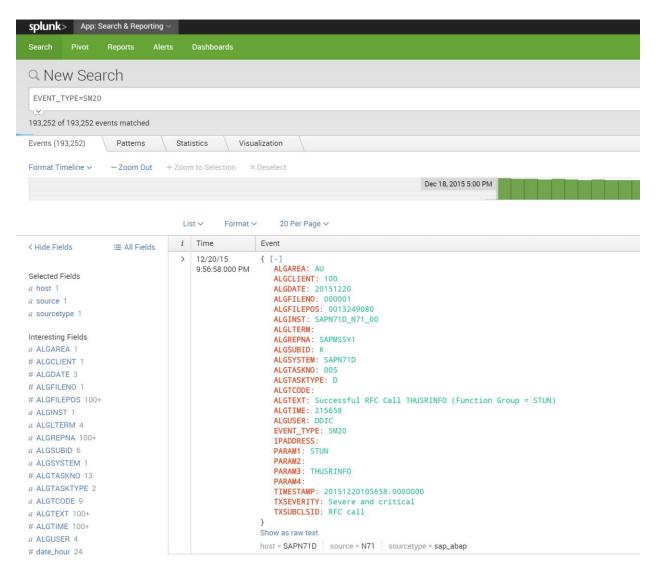


And executes function module /BNWVS/CL_EXT_SM20

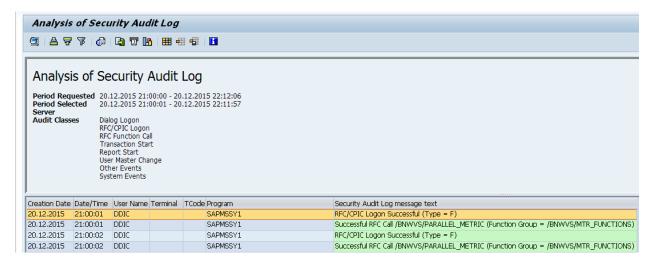


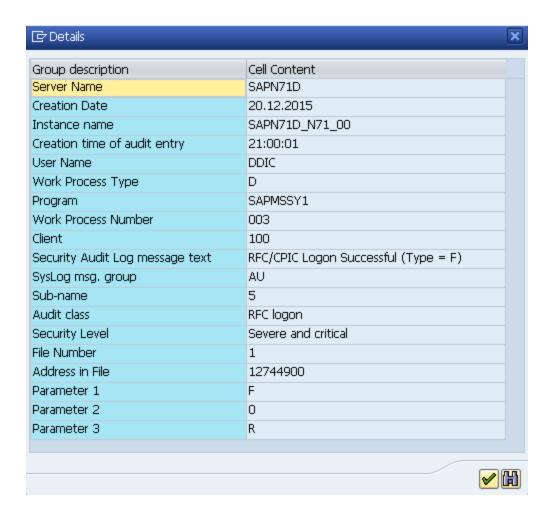
Prerequisites: For this collector to work the SAP Audit log must be configured in SAP tcode SM19 and active. If you can see the audit information in SM20 then it will be collected by SAP PowerConnect for Splunk and sent to the Splunk server.

Fields: The following fields are sent to Splunk



These fields map to the ABAP dictionary types available in tcode SM20.



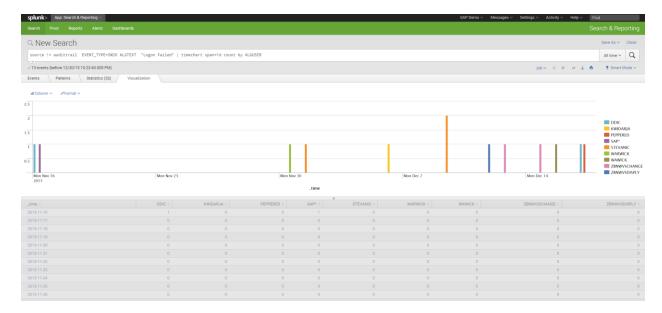


Reports: What reports can I run against this data?

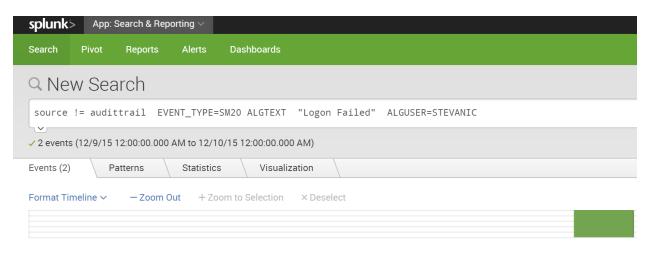
Example1: Recording failed logins.

By running a search query where the login text contains the text "Failed" you can find the number of failed logins per day.

source != audittrail EVENT_TYPE=SM20 ALGTEXT "Logon Failed" | timechart span=1d count by ALGUSER



Drilling down on the raw data show us the IP address from where the user logged in from and their terminal ID.



List ∨ 20 Per Page ∨ Format ~ Time Event :**≡** All Fields < Hide Fields 12/9/15 [-] 9:11:00.000 AM ALGAREA: AU Selected Fields ALGCLIENT: 100 a host 1 **ALGDATE**: 20151209 ALGFILENO: 000001 a source 1 **ALGFILEPOS**: 0000858060 a sourcetype 1 ALGINST: SAPN71D_N71_00 ALGLTERM: stevanic-PC Interesting Fields **ALGREPNA**: SAPMSYST a ALGAREA 1 ALGSUBID: 2 **ALGSYSTEM**: SAPN71D # ALGCLIENT 1 ALGTASKNO: 005 # ALGDATE 1 ALGTASKTYPE: D # ALGFILENO 1 ALGTCODE: SESSION_MANAGER # ALGFILEPOS 1 ALGTEXT: Logon Failed (Reason = 1, Type = A) a ALGINST 1 **ALGTIME**: 091100 ALGUSER: STEVANIC a ALGLTERM 1 EVENT_TYPE: SM20 a ALGREPNA 1 **IPADDRESS**: 10.5.1.22 # ALGSUBID 1 PARAM1: A PARAM2: 1 a ALGSYSTEM 1 PARAM3: P # ALGTASKNO 1 PARAM4: a ALGTASKTYPE 1 TIMESTAMP: 20151208221100.0000000 a ALGTCODE 1 TXSEVERITY: All TXSUBCLSID: Logon a ALGTEXT 1 } # ALGTIME 1