

I servizi SQL di IBM i *lavori schedulati*



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IBM i services – home page

➔ <https://www.ibm.com/support/pages/node/1119123>

IBM i Services (SQL)

News

Abstract

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IBM i Service	Type of Service	IBM i 7.4	IBM i 7.3	IBM i 7.2
Application Services				
QSYS2.BOUND_MODULE_INFO	View	SF99704 Level 4	SF99703 Level 16	Not Supported

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All Versions

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Due servizi per esplorare i lavori schedulati

- SCHEDULED_JOB_INFO: (vista) restituisce informazioni sulle specifiche di schedulazione. Simile a WRKJOBSCDE.
Da IBM i 7.2 SF99702 liv. 5
- HISTORY_LOG_INFO: (funzione) restituisce il log storico in un range di date/ora. Simile a DSPLOG e API QMHOLHST. Può restituire i messaggi in formato *syslog RFC3164* o *RFC5424*.
Da IBM i 7.2 SF99702 liv. 14, 7.3 SF99703 liv. 3



Elenco dei lavori schedulati

SCHEDULED_JOB_INFO = WRKJOBSCDE

```
select SCHEDULED_JOB_NAME, STATUS, SCHEDULED_TIME, SCHEDULED_DATE, SCHEDULED_DAYS,  
FREQUENCY, RELATIVE_DAYS_OF_MONTH, DATES_OMITTED, NEXT_SUBMISSION_DATE, DESCRIPTION,  
COMMAND_STRING, USER_PROFILE_FOR_SUBMITTED_JOB, JOB_DESCRIPTION_LIBRARY_NAME  
concat '/' concat JOB_DESCRIPTION_NAME as JOB_DESCRIPTION, JOB_QUEUE_LIBRARY_NAME  
concat '/' concat JOB_QUEUE_NAME as JOB_QUEUE, LAST_SUCCESSFUL_SUBMISSION_JOB,  
LAST_SUCCESSFUL_SUBMISSION_TIMESTAMP  
from SCHEDULED_JOB_INFO  
order by SCHEDULED_JOB_NAME;
```

SCHEDULED_JOB_NAME	STATUS	SCHEDULED_TIME	SCHEDULED_DATE	SCHEDULED_DAYS	FREQUENCY	RELATIVE_DAYS_OF_MONTH	DATES_OMITTED	NEXT_SUBMISSION_DATE
OCCUPAZ	HELD	06.00.00	[NULL]	*ALL	*WEEKLY	[NULL]	[NULL]	2020-07-22
RTVDSKINF	SCHEDULED	12.00.00	[NULL]	*SAT	*WEEKLY	[NULL]	[NULL]	2020-07-25
SALVAGIO	SCHEDULED	21.00.00	[NULL]	*ALL	*WEEKLY	[NULL]	[NULL]	2020-07-21
SALVASYS	SCHEDULED	05.00.00	[NULL]	*SUN	*WEEKLY	[NULL]	[NULL]	2020-07-26
STOPSTARTW	SCHEDULED	05.00.00	[NULL]	*ALL	*WEEKLY	[NULL]	[NULL]	2020-07-22
STRHTTP80H	SCHEDULED	07.00.00	[NULL]	*ALL	*WEEKLY	[NULL]	[NULL]	2020-07-22
STRMYSQL	SCHEDULED	06.00.00	[NULL]	*ALL	*WEEKLY	[NULL]	[NULL]	2020-07-22
STRPTH_01	SCHEDULED	07.30.00	[NULL]	*ALL	*WEEKLY	[NULL]	[NULL]	2020-07-22
STRSBSARD3	SCHEDULED	08.00.00	[NULL]	*ALL	*WEEKLY	[NULL]	[NULL]	2020-07-22
STRSBSQSIR	SCHEDULED	06.30.00	[NULL]	*ALL	*WEEKLY	[NULL]	[NULL]	2020-07-22

Estrarre l'history log con SQL

HISTORY_LOG_INFO = DSPLOG

attenzione ai tempi di esecuzione!

```
select MESSAGE_ID "ID messaggio", MESSAGE_TYPE "Tipo", SEVERITY "Gravità",  
       timestamp(MESSAGE_TIMESTAMP, 0) "Data/Ora", FROM_USER "Da utente",  
       FROM_JOB as "Lavoro", MESSAGE_TEXT "Testo", MESSAGE_SECOND_LEVEL_TEXT "Testo 2° liv."  
from table(HISTORY_LOG_INFO(timestamp(current date - 1 days, '12:00:00'),  
                             timestamp(current date - 1 days, '12:05:00'))) as HL  
order by ORDINAL_POSITION;
```

ID messaggio	Tipo	Gravità	Data/Ora	Da utente	Lavoro	Testo
TCP2617	DIAGNOSTIC	20	2020-11-25 12:00:04	QSYS	892655/QSYS/QTCPWRK	Collegamento TCP/IP al sistema remoto 188.15.17
CPF1164	COMPLETION	0	2020-11-25 12:00:06	SIRIO144P1	896223/SIRIO144P1/SIRIO144P1	Lavoro 896223/SIRIO144P1/SIRIO144P1 terminato i
CPF1124	INFORMATIONAL	0	2020-11-25 12:00:07	SIRIO144P1	896224/SIRIO144P1/SIRIO144P1	Lavoro 896224/SIRIO144P1/SIRIO144P1 avviato il
CPF1164	COMPLETION	0	2020-11-25 12:00:17	SIRIO144P1	896224/SIRIO144P1/SIRIO144P1	Lavoro 896224/SIRIO144P1/SIRIO144P1 terminato i
CPF1124	INFORMATIONAL	0	2020-11-25 12:00:18	SIRIO144P1	896225/SIRIO144P1/SIRIO144P1	Lavoro 896225/SIRIO144P1/SIRIO144P1 avviato il
CPF1164	COMPLETION	0	2020-11-25 12:00:28	SIRIO144P1	896225/SIRIO144P1/SIRIO144P1	Lavoro 896225/SIRIO144P1/SIRIO144P1 terminato i
CPF1124	INFORMATIONAL	0	2020-11-25 12:00:29	SIRIO144P1	896226/SIRIO144P1/SIRIO144P1	Lavoro 896226/SIRIO144P1/SIRIO144P1 avviato il
CPF1164	COMPLETION	0	2020-11-25 12:00:39	SIRIO144P1	896226/SIRIO144P1/SIRIO144P1	Lavoro 896226/SIRIO144P1/SIRIO144P1 terminato i
CPF1124	INFORMATIONAL	0	2020-11-25 12:00:40	SIRIO144P1	896227/SIRIO144P1/SIRIO144P1	Lavoro 896227/SIRIO144P1/SIRIO144P1 avviato il

Monitorare l'esecuzione dei lavori schedulati

SCHEDULED_JOB_INFO + HISTORY_LOG_INFO elenco lavori schedulati con data/ora inizio e fine dell'ultima esecuzione e durata

attenzione ai tempi di esecuzione!

SCHEDULED_JOB_NAME	SALVAGIO
STATUS	SCHEDULED
SCHEDULED_TIME	21.00.00
SCHEDULED_DATE	[NULL]
SCHEDULED_DAYS	*ALL
FREQUENCY	*WEEKLY
RELATIVE_DAYS_OF_MONTH	[NULL]
DATES_OMITTED	[NULL]
NEXT_SUBMISSION_DATE	2020-07-21
DESCRIPTION	Salvataggi Giornalieri
COMMAND_STRING	CALL PGM(QGPL/SALVAGIO)
USER_PROFILE_FOR_SUBMITTED_JOB	QSECOFR
JOB_DESCRIPTION	[NULL]
JOB_QUEUE	QSYS/QCTL
LAST_SUCCESSFUL_SUBMISSION_JOB	817830/QSECOFR/SALVAGIO
LAST_SUCCESSFUL_SUBMISSION_TIMESTAMP	2020-07-20 21:00:00
LAST_SUCCESSFUL_SUBMISSION_END	2020-07-20 22:32:29.000000
DURATA_HH	1,53
DURATA_MM	92

scheduled_job_info

history_log_info



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Istruzione SQL

```
select SCHEDULED_JOB_NAME, STATUS, SCHEDULED_TIME, SCHEDULED_DATE, SCHEDULED_DAYS, FREQUENCY, RELATIVE_DAYS_OF_MONTH,
DATES_OMITTED, NEXT_SUBMISSION_DATE, DESCRIPTION, COMMAND_STRING, USER_PROFILE_FOR_SUBMITTED_JOB,
JOB_DESCRIPTION_LIBRARY_NAME concat '/' concat JOB_DESCRIPTION_NAME as JOB_DESCRIPTION,
JOB_QUEUE_LIBRARY_NAME concat '/' concat JOB_QUEUE_NAME as JOB_QUEUE, LAST_SUCCESSFUL_SUBMISSION_JOB,
LAST_SUCCESSFUL_SUBMISSION_TIMESTAMP,
-----
case when LAST_SUCCESSFUL_SUBMISSION_TIMESTAMP is null then null else
(select timestamp(MESSAGE_TIMESTAMP, 0)
 from table(HISTORY_LOG_INFO(LAST_SUCCESSFUL_SUBMISSION_TIMESTAMP,
                             timestamp(LAST_SUCCESSFUL_SUBMISSION_TIMESTAMP) + 24 hours)) as HL
 where FROM_JOB = LAST_SUCCESSFUL_SUBMISSION_JOB and MESSAGE_ID = 'CPF1164') end as LAST_SUCCESSFUL_SUBMISSION_END,
-----
case when LAST_SUCCESSFUL_SUBMISSION_TIMESTAMP is null then null else
round(timestampdiff(4,
 char((select MESSAGE_TIMESTAMP
       from table(HISTORY_LOG_INFO(LAST_SUCCESSFUL_SUBMISSION_TIMESTAMP,
                                   timestamp(LAST_SUCCESSFUL_SUBMISSION_TIMESTAMP) + 24 hours)) as HL
       where FROM_JOB = LAST_SUCCESSFUL_SUBMISSION_JOB and MESSAGE_ID = 'CPF1164') -
      LAST_SUCCESSFUL_SUBMISSION_TIMESTAMP)/60,0, 2) end as DURATA_HH,
-----
case when LAST_SUCCESSFUL_SUBMISSION_TIMESTAMP is null then null else
timestampdiff(4,
 char((select MESSAGE_TIMESTAMP
       from table(HISTORY_LOG_INFO(LAST_SUCCESSFUL_SUBMISSION_TIMESTAMP,
                                   timestamp(LAST_SUCCESSFUL_SUBMISSION_TIMESTAMP) + 24 hours)) as HL
       where FROM_JOB = LAST_SUCCESSFUL_SUBMISSION_JOB and MESSAGE_ID = 'CPF1164') -
      LAST_SUCCESSFUL_SUBMISSION_TIMESTAMP)) end as DURATA_MM
-----
from SCHEDULED_JOB_INFO
where STATUS = 'SCHEDULED' -- solo schedulati
and SCHEDULED_JOB_NAME like 'SALVA%'
order by SCHEDULED_JOB_NAME;
```

Riferimenti



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