Hvrstart

Contents

Name

hvrstart - Start jobs.

Synopsis

hvrstart [*-options*] *hubdb jobs…*

Description

Command **hvrstart** causes HVR jobs to be run. The jobs are either run via the **HVR Scheduler** or they are run directly by using **hvrstart -i** command. Jobs can either be specified explicitly (e.g. *chn*-**cap**-*locx*) or they can be partially specified (e.g. *chn*-**cap** which matches all capture jobs). If only a channel (*chn*) name is specified, then **hvrstart** runs the *chn*-**cap** jobs and then the *chn*-**integ** jobs.

If the jobs are run via the scheduler (no **-i** option), then jobs in a **SUSPEND** state are immune unless option **-u** is used. Jobs in state **FAILED** or **RETRY** are also immune unless option **-r** is used. In this mode, the **HVR Scheduler** process must already be running. If the job is already running, then the Scheduler will force the job to wake up and perform a new replication cycle.

The argument *hubdb* specifies the connection to the hub database. For more information about supported hub databases and the syntax for using this argument, see Calling HVR on the Command Line.

Options

This section describes the options available for command **hvrstart**.

Parameter	Description
-C*pub_cert*	Public certificate for encrypted connection to hub machine. This must be used with option **-R**.
-E*nm=val*	Set environment variable *nm* to value *val*.
-h*class*	Location *class* of the hub database. Valid values for *class* are **db2**, **db2i**, **ingres**, **mysql**, **oracle**, **postgresql**, **sqlserver**, or **teradata**. For more information, see Calling HVR on the Command Line. This option is only required when option **-i** is used for running compare or refresh jobs.
-i	Interactive. The HVR job is run directly instead of via HVR Scheduler. The job's output and errors are sent to **stdout** and **stderr**.

| **-K**_pair_ | SSL public certificate and private key of local machine. If _pair_ is relative, then it is found in directory **$HVR_HOME/lib/cert**.

Value _pair_ specifies two files; the names of these files are calculated by removing any extension from _pair_ and then adding extensions **.pub_cert** and **.priv_key**. For example, option **-Khvr** refers to files **$HVR_HOME/lib/cert/hvr.pub_cert** and **$HVR_HOME/lib/cert/hvr.priv_key.** |
|---|---|
| **-L**_login/pwd_ | Login/password for remote hub machine. Must be used with option **-R** _node:port_. |
| **-r** | Retry **FAILED** or **RETRY** jobs by triggering them with value **2** in column **job_trigger** of catalog **hvr_job**. This option cannot be used with option **-i**. |
| **-R**_node:port_ | Remote hub machine node name and TCP/IP port number. Must be used with option **-L** _login/pwd_. |
| **-t**_N_ | Time-out after _N (> 0)_ seconds if scheduler or job takes too long, or if network is hanging. Job execution is not interrupted by this client timeout. If no **-t** option is supplied then **hvrstart** will wait indefinitely. This option cannot be used with option **-i**. |
| **-u** | Unsuspend. This option cannot be used with option **-t**_N_ or **-i**. |
| **-U**_user[/pwd]_ | Connect to hub database using DBMS account _user_. For some databases (e.g. SQL Server) a password _/pwd_ must also be supplied, but only when running compare or refresh jobs. This option is only required when option **-i** is used for running compare or refresh jobs. |
| **-w** | Wait until all triggered jobs which were selected have finished running or have completed a full replication cycle. While **hvrstart** is waiting for a job, its output is carbon-copied to the **hvrstart** command's **stdout** and **stderr**. This option cannot be used with option **-i**. |

Exit Codes

0	Success. If option **-i** is not used, then a success just means that the HVR Scheduler was able to run the jobs, not that the job succeeded.
1	Failure. If option **-i** is not used, then this means error sending instruction to HVR Scheduler server, job did not exist, etc.
2	Time-out.
3	Jobs existed in state **FAILED** , **RETRY** , **ERROR** , **ALERTING** or **SUSPEND** which were not affected by the command.

Example

- Run a capture job from the command line, without the **HVR Scheduler**:

```
hvrstart -i hubdb chn-cap-loc
```

- Run all integrate jobs via the HVR Scheduler:
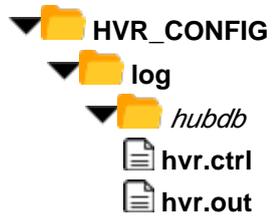
```
hvrstart hubdb chn-integ
```

- Run all capture jobs and then all integrate jobs from the command line:

```
hvrstart -i hubdb chn
```

- Run a refresh job from the command line:

```
hvrstart -i -h sqlserver -U user/pwd hubdb chn-refr-loc1-loc2
```

Files

📁▼ **HVR_CONFIG**
  📁▼ **log**
    📁▼ *hubdb*
      📄 **hvr.ctrl**   Audit log containing **hvrstart** actions.
      📄 **hvr.out**   Log of job output and errors.

```
hvrstart -i -h sqlserver -U user/pwd hubdb chn-refr-loc1-loc2
```