LS-Run

A standalone application for running LS-DYNA

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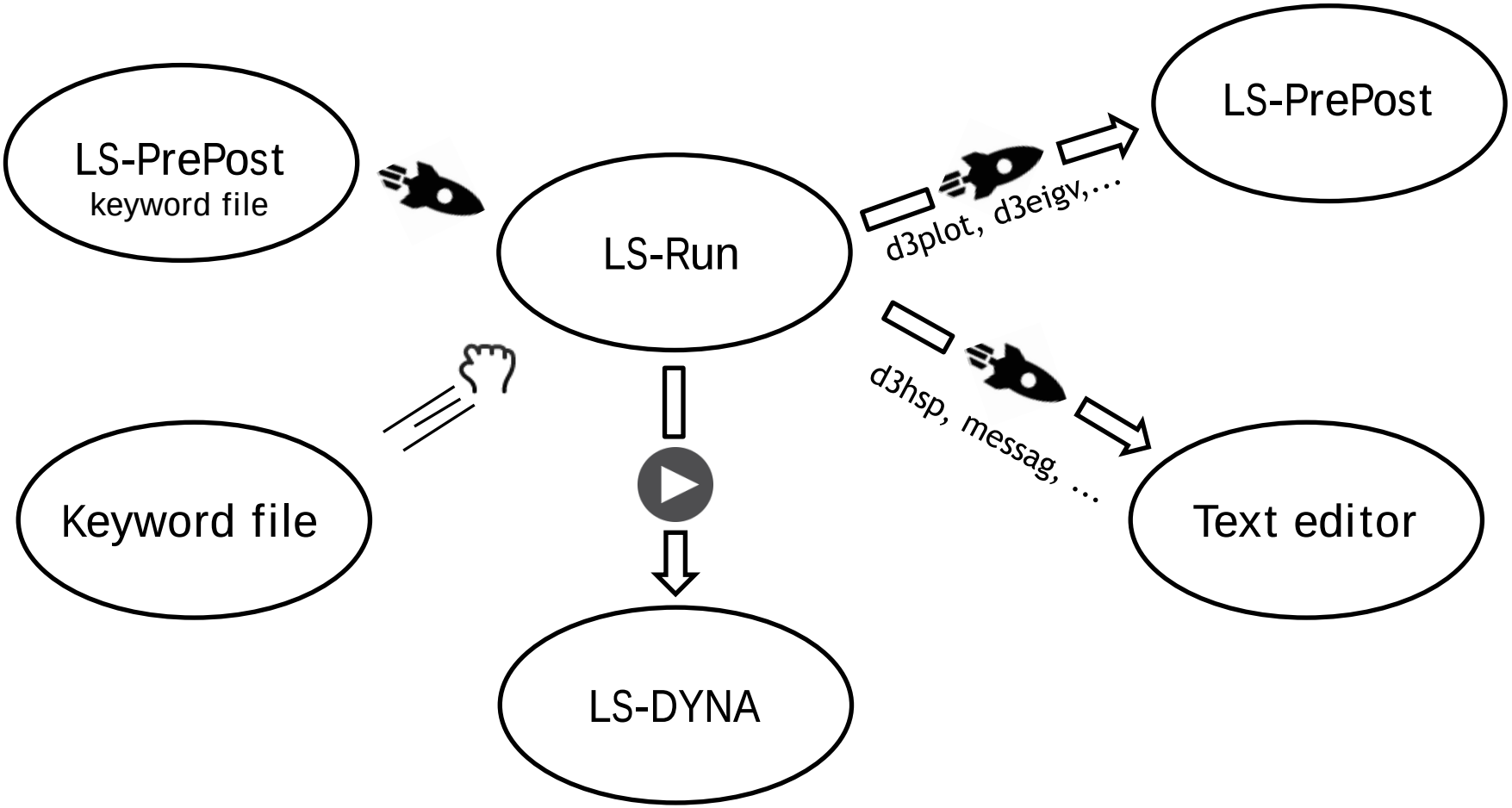
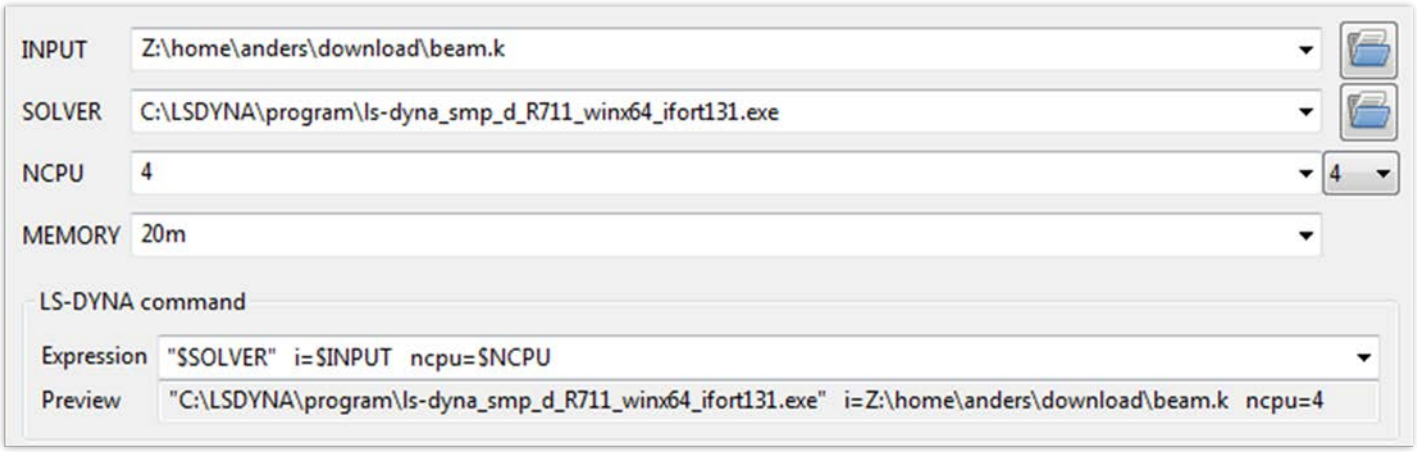
LS-Run – a graphical control center for LS-DYNA simulations



LS-DYNA command

LS-DYNA is a command-based program and as such, the command has to be manually typed in or in some other way generated.

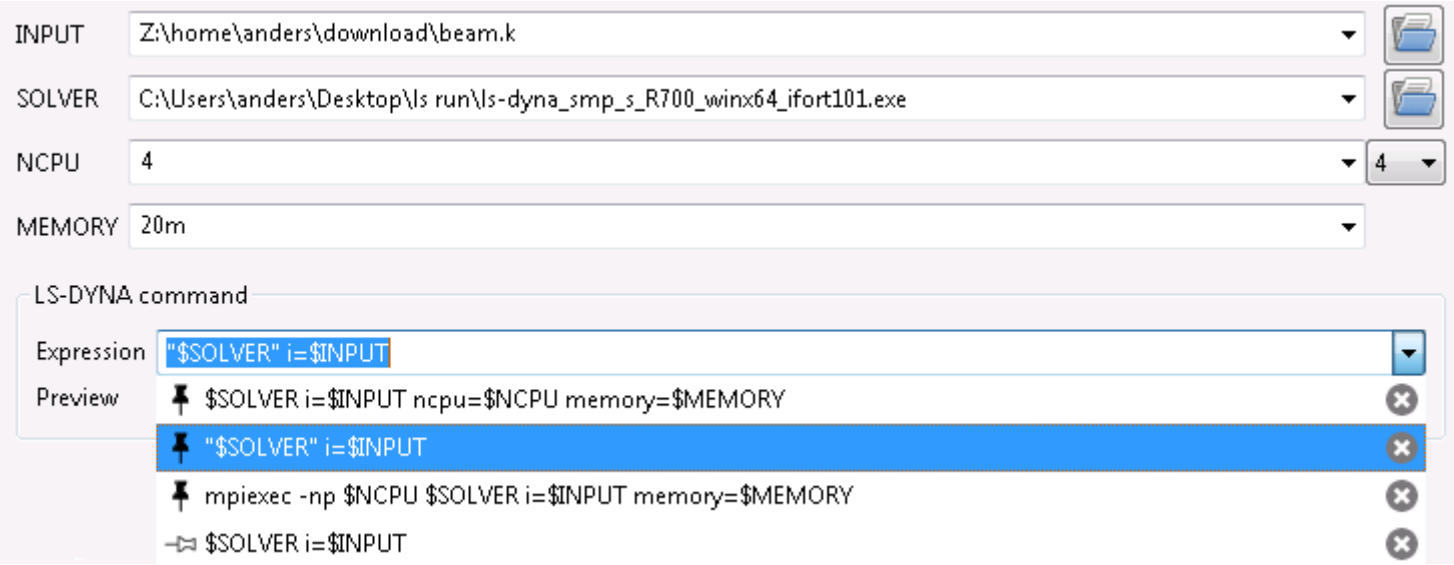
LS-Run has a parametric LS-DYNA command line builder making it easy to create the command and change the most common arguments such as ”memory”, ”ncpu” and the solver executable.



History of parameters and Expression

Previously used parameter values and expressions are available from the drop-down menus.

Favourite solvers and expressions can be pinned to the history list.



Run the LS-DYNA command

The "Run" button

Toggle buttons

Toggle to run the command in the command prompt.

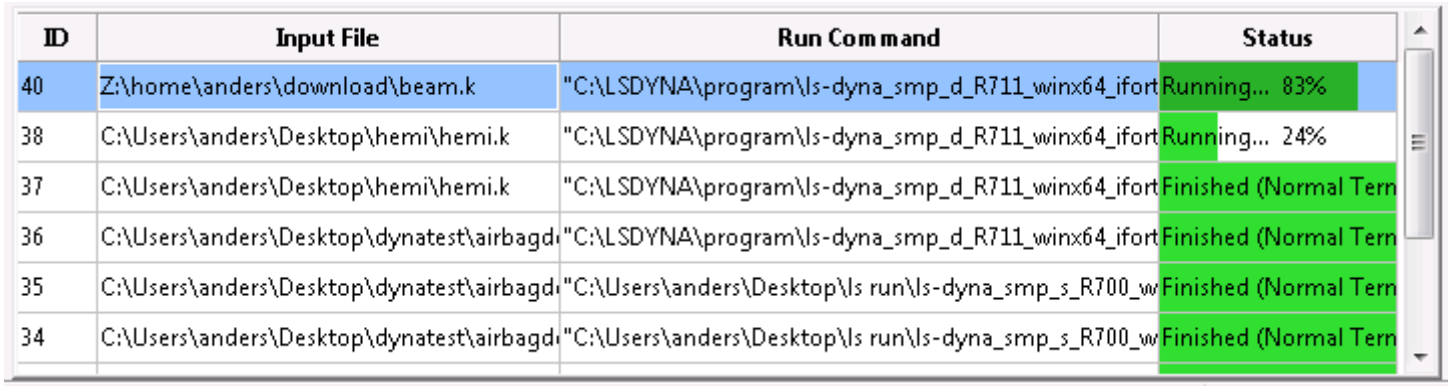
Toggle to run the command on a remote computer.
The command is executed via ssh communication.
(plink.exe from the PuTTY suite is used on Windows)
The name of the remote host and login information is specified in Settings.

Job table

Jobs are added to the job table and are started in the order they are added, provided enough resources are available.

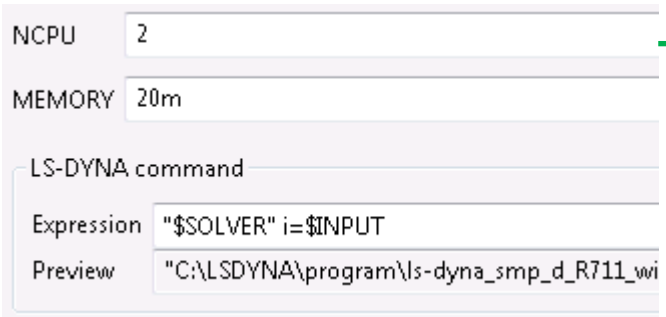
The user can decide what kind of job data to show. Right-click on the column labels to remove or add a job property column.

Right click on a cell to view the whole content in that cell.

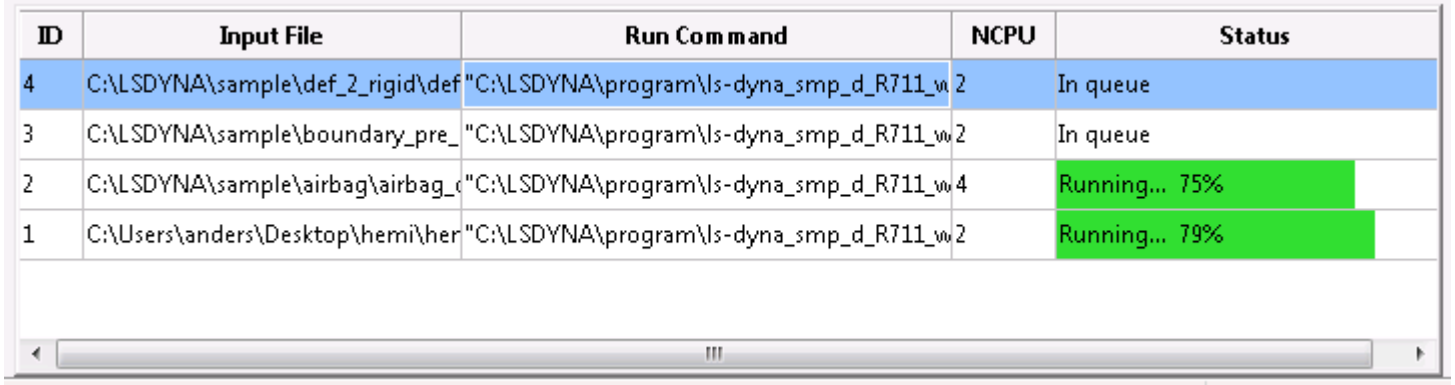


ID	Input File	Run Command	Status
40	Z:\home\anders\download\beam.k	"C:\LSDYNA\program\ls-dyna_smp_d_R711_winx64_ifort	Running... 83%
38	C:\Users\anders\Desktop\hemi\hemi.k	"C:\LSDYNA\program\ls-dyna_smp_d_R711_winx64_ifort	Running... 24%
37	C:\Users\anders\Desktop\hemi\hemi.k	"C:\LSDYNA\program\ls-dyna_smp_d_R711_winx64_ifort	Finished (Normal Tern
36	C:\Users\anders\Desktop\dynatest\airbagd	"C:\LSDYNA\program\ls-dyna_smp_d_R711_winx64_ifort	Finished (Normal Tern
35	C:\Users\anders\Desktop\dynatest\airbagd	"C:\Users\anders\Desktop\ls run\ls-dyna_smp_s_R700_w	Finished (Normal Tern
34	C:\Users\anders\Desktop\dynatest\airbagd	"C:\Users\anders\Desktop\ls run\ls-dyna_smp_s_R700_w	Finished (Normal Tern

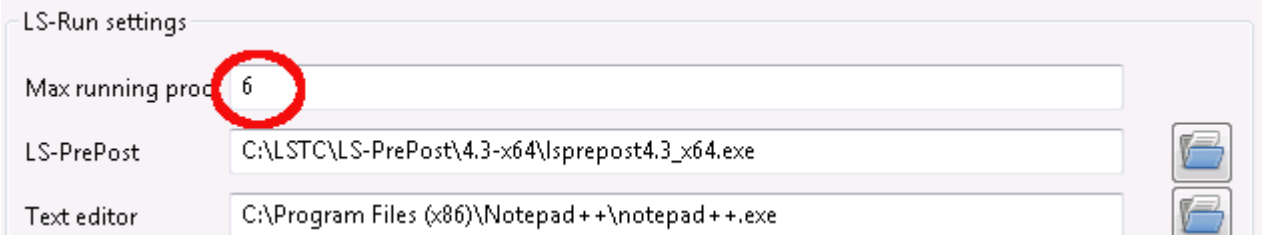
Job resources for the queue



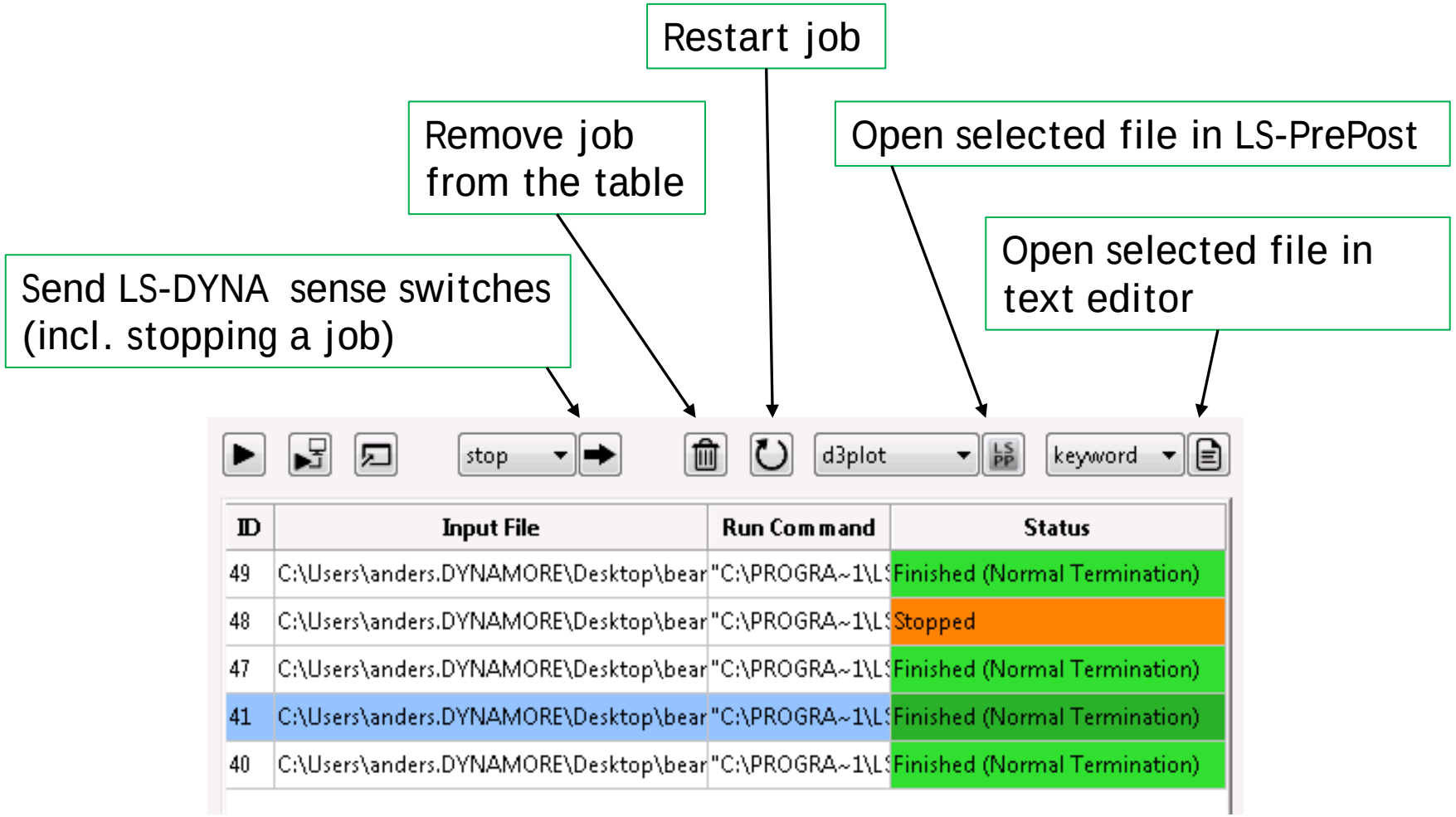
NCPU sets the number of resources for a job.



ID	Input File	Run Command	NCPU	Status
4	C:\LSDYNA\sample\def_2_rigid\def	"C:\LSDYNA\program\ls-dyna_smp_d_R711_w	2	In queue
3	C:\LSDYNA\sample\boundary_pre_	"C:\LSDYNA\program\ls-dyna_smp_d_R711_w	2	In queue
2	C:\LSDYNA\sample\airbag\airbag_	"C:\LSDYNA\program\ls-dyna_smp_d_R711_w	4	Running... 75%
1	C:\Users\anders\Desktop\hemi\her	"C:\LSDYNA\program\ls-dyna_smp_d_R711_w	2	Running... 79%



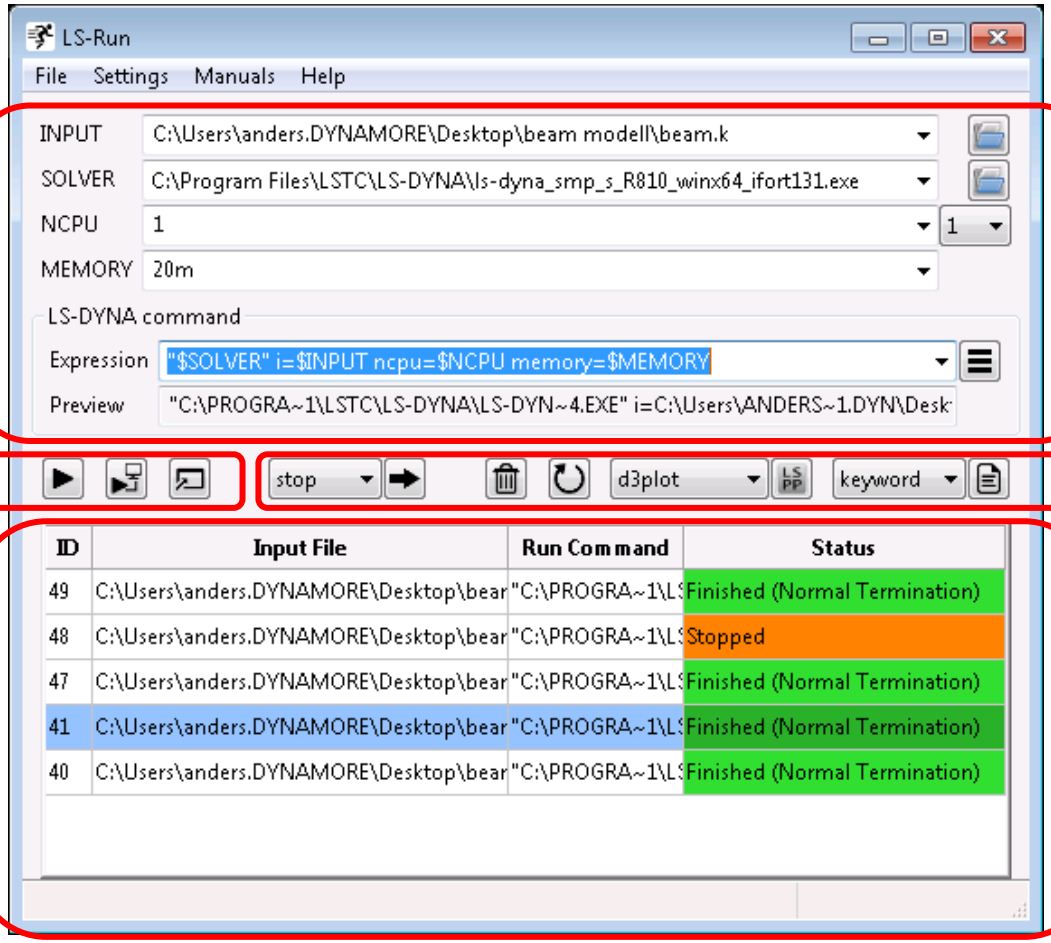
Interact with a job (the selected row in the table)



Summary

Parametric LS-DYNA command line builder

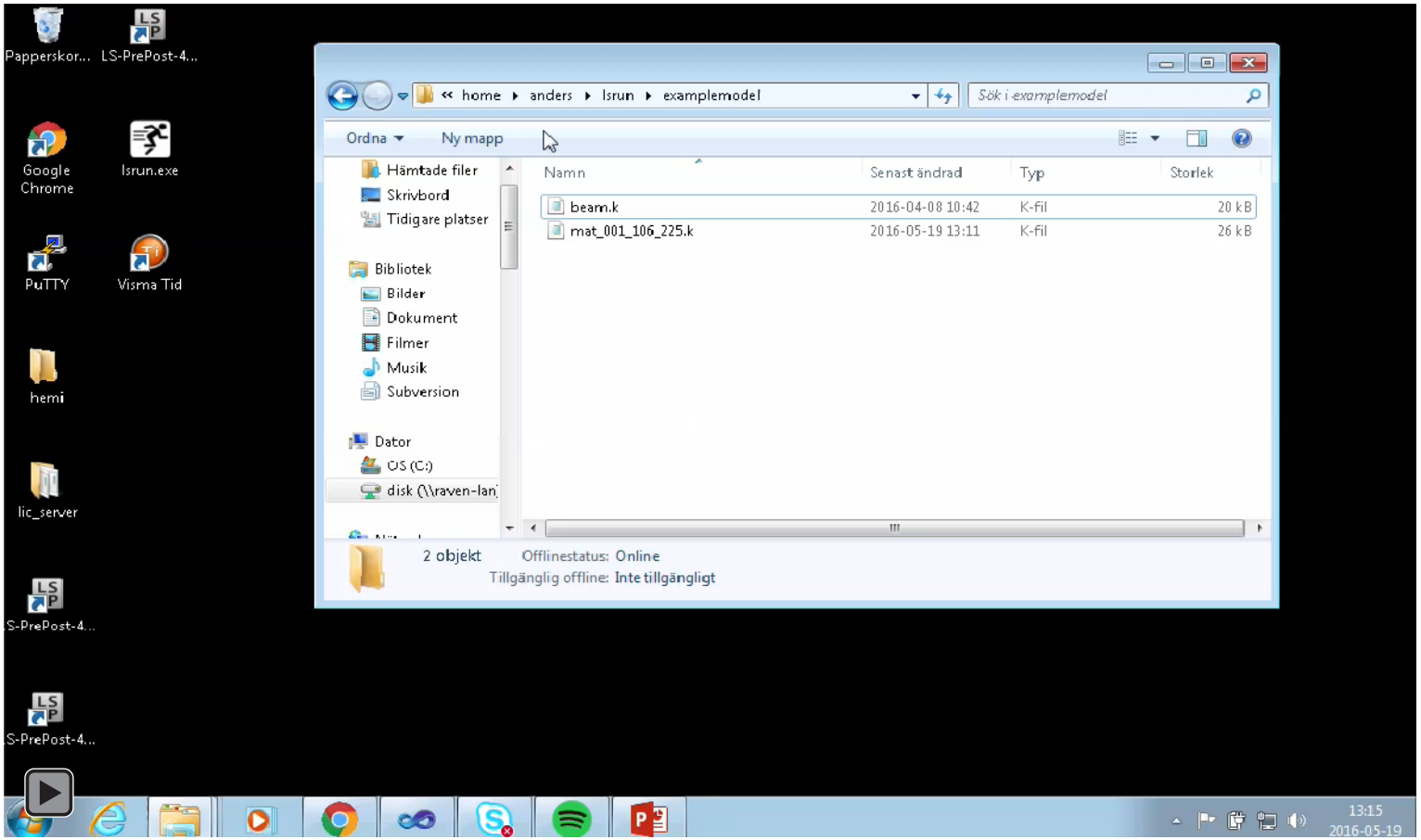
Run command on local or remote host. Supports SMP/MPP and any combination of Windows/Linux hosts



Administrate running jobs and open result files for jobs

Jobs in local queue are automatically run in sequential order.
User can set limit on simultaneous running jobs (processes).

Running LS-DYNA MPP on Windows with LS-Run



click me

How to obtain LS-Run

LS-Run is currently included in LS-PrePost v4.3 and later.
Latest versions are available from:

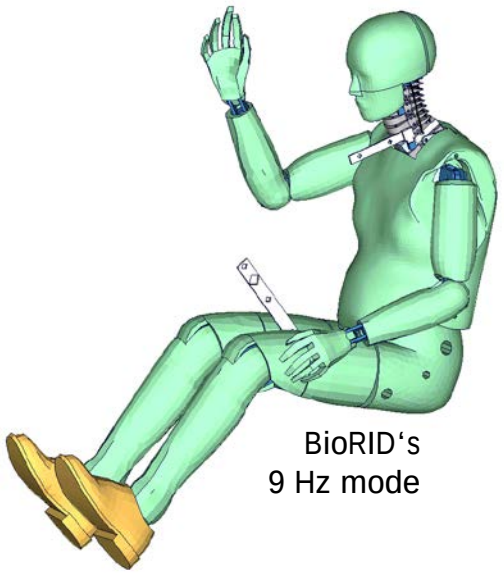
ftp://ftp.lstc.com/outgoing/lsprepost/4.3/
ftp://ftp.lstc.com/outgoing/lsprepost/dev/

or in your personal ftp-account that you received from DYNAmore

Thank you for your attention!

DYNA MORE

Your LS-DYNA distributor and more



BioRID‘s
9 Hz mode