



show

- Grid
 - PL-Grid Registry
 - Workflow engine @PLGRID-WORKFLOW
 - CYFRONET-ZEUS
 - ICM-HYDRA
 - PCSS
 - TASK-GALERAPLUS
 - WCSS64
 - Storage factory DEFAULT @ICM-HYDRA
 - Storage SHARE-ACK @CYFRONET-ZEUS
 - Storage SHARE-ICM @ICM-HYDRA
 - Storage SHARE-PCSS @PCSS
 - Storage SHARE-TASK @TASK-GALERAPLUS
 - Storage SHARE-WCSS @WCSS64

Prezentacja przedstawia greadben Generic, za pomocą którego można przesłać do uruchomienia dowolną aplikację udostępnioną na Gridzie. W szkoleniu wykorzystany zostanie program Fluent.



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca



UNICORE

Grid Browser



show

- Grid
 - PL-Grid Registry
 - Workflow engine @PL
 - CYFRONET-ZEUS
 - ICM-HYDRA
 - PCSS
 - TASK-GALERAPLUS
 - WCSS64
 - Storage factory DEFAU
 - Storage SHARE-ACK @CYFRONET-ZEUS
 - Storage SHARE-ICM @ICM-HYDRA
 - Storage SHARE-PCSS @PCSS
 - Storage SHARE-TASK @TASK-GALERAPLUS
 - Storage SHARE-WCSS @WCSS64

Aby utworzyć nowe zadanie w wybranym ośrodku, należy kliknąć na wybranym systemie docelowym prawym przyciskiem myszki i wybrać: create job.

Navigator Keystore Truststore Client Log



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca



UNICORE

Grid Browser



show

Grid

- PL-Grid Registry
 - Workflow engine @PLGRID-WORKFLOW
 - CYFRONET-ZELC
 - ICM
 - PCS
 - TAS
 - WCS
 - Stor
 - Stor
 - Stor
 - Stor
 - Stor
 - Stor

add Registry

configure terminal connection

create job

details

map to security profile

Open Terminal

refresh F5

rename F2

W niniejszym przykładzie uruchomimy jednak zadanie, pozostawiając wybór ośrodka brokerowi.

Navigator Keystore Truststore Client Log



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca



UNICORE

Grid Browser

- Grid
 - PL-Grid Registry
 - Workflow engine @PLG
 - CYFRONET-ZEUS
 - ICM-HYDRA
 - PCSS
 - TASK-GALERAPLUS
 - WCSS64
 - Storage factory DEFAULT @ICM-HYDRA
 - Storage SHARE-ACK @CYFRONET-ZEUS
 - Storage SHARE-ICM @ICM-HYDRA
 - Storage SHARE-PCSS @PCSS
 - Storage SHARE-TASK @TASK-GALERAPLUS
 - Storage SHARE-WCSS @WCSS64

W tym celu klikamy prawym przyciskiem myszy na ikonce reprezentującej rejestr PL-Gridu (PL-Grid Registry)...

Navigator Keystore Truststore Client Log



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca



UNICORE

Grid Browser



show

Grid

- add Registry
- create job
- details
- edit address
- map to security profile
- refresh F5
- remove Bookmark
- rename F2

Storage SHARE-TASK @TASK-GALERAPLUS

Storage SHARE-WGCS @WGCS64

... i wybieramy: create job.

Navigator Keystore Truststore Client Log



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

UNICORE Rich Client

File Edit Window Help

UNICORE

Grid Browser

Grid

- PL-Grid Registry
 - Workflow engine @PLGR
 - CYFRONET-ZEUS
 - ICM-HYDRA
 - PCSS
 - TASK-GALERAPLUS
 - WCSS64
 - Storage factory DEFAULT
 - Storage SHARE-ACK @C
 - Storage SHARE-ICM @IC
 - Storage SHARE-PCSS @P
 - Storage SHARE-TASK @T
 - Storage SHARE-WCSS @

Navigator Keystore Trustst

alias

simple-ca

plgrid-ca

updating matching targ...systems: (0%

Job Creation

Select application

Choose an application to be run on the target system when the job is executed.

- Blender v.0.3
- Generic v.2.2**
- POVRay v.3.6
- Script v.2.2

Wybieramy aplikację Generic.

Download Applications

< Back Next > Finish Cancel

UNICORE Rich Client

File Edit Window Help

UNICORE

Grid Browser

Grid

- PL-Grid Registry
 - Workflow engine @PLGR
 - CYFRONET-ZEUS
 - ICM-HYDRA
 - PCSS
 - TASK-GALERAPLUS
 - WCSS64
 - Storage factory DEFAULT
 - Storage SHARE-ACK @C
 - Storage SHARE-ICM @IC
 - Storage SHARE-PCSS @P
 - Storage SHARE-TASK @T
 - Storage SHARE-WCSS @

Navigator Keystore Trustst

alias
simple-ca
plgrid-ca

executing request: (0%)

Job Creation

Select application

Choose an application to be run on the target system when the job is executed.

- Blender v.0.3
- Generic v.2.2**
- POVRay v.3.6
- Script v.2.2

Download Applications

< Back Next > **Finish** Cancel



- Grid
 - PL-Grid Registry
 - Workflow engine
 - CYFRONET-ZEUS
 - ICM-HYDRA
 - PCSS
 - TASK-GALERAPLUS
 - WCSS64
 - Storage factory DEFAULT @ICM-HYDRA
 - Storage SHARE-ACK @CYFRONET-ZEUS
 - Storage SHARE-ICM @ICM-HYDRA
 - Storage SHARE-PCSS @PCSS
 - Storage SHARE-TASK @TASK-GALERAPLUS
 - Storage SHARE-WCSS @WCSS64

Korzystając z okna wyboru:
Select application, wybieramy
program, który chcemy
uruchomić.

W polu: Job name możemy
zmienić nazwę zadania.

alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

*Generic

Job name:

Select application:

Select version:

Command line arguments:

Application Parameters

ABINIT_SCRIPT:

Generic Files Variables Resources



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Job name: Select application: Select version: Command line arguments:

Application Parameters

 ABINIT_SCRIPT:

Browse ...



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Job name: ZadanieFLUENT

Select application: ABINIT

Select version: ABINIT

Command line arguments: Amber - sander

Autodock suite - autodock

Autodock suite - autogrid

BLAST

Bash shell

Blender

C shell

CFOUR

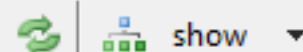
CLUSTALW

Custom executable

Date

Application Parameters

 ABINIT_SCRIPT:



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64

alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Job name: ZadanieFLUENT

Select application: ABINIT

Select version:

Command line arguments:

Application Parameters

 ABINIT_SCRIPT:

ZadanieFLUENT

Autodock suite - autogrid

BLAST

Bash shell

Blender

C shell

CFOUR

CLUSTALW

Custom executable

Date

Desmond

Elegant

FLUENT

Użycie GridBeanu
zaprezentowane
zostanie na przykładzie
programu Fluent.



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64

alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Job name: ZadanieFLUENT

Select application: FLUENT

Select version: any version

Command line arguments: any version

13.0

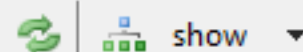
12.1.2

Application Parameters

 SCRIPT: SOLVER:

2d

Wybrać możemy wersję aplikacji bądź pozostawić "any version".



W polu: Command line arguments można wpisać opcje odpowiednie dla uruchamianego programu (np. FLUENT z linii poleceń może być uruchamiany z opcjami: 2d -i test_input) .

Niektóre aplikacje, w tym FLUENT, przygotowane mają jednak pola ułatwiające wyspecyfikowanie odpowiednich opcji i korzystanie z Command line arguments nie jest konieczne.

alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Job name:

Select application:

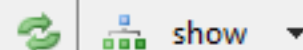
Select version:

Command line arguments:

Application Parameters

SCRIPT:

SOLVER:



Grid

PL-Grid Registry

Workflow engine @PLGRID-WORKFLOW

CYFRONET-ZEUS

ICM-HYDRA

Aby uruchomić aplikację FLUENT z odpowiednim skryptem zaznaczyć należy okienko wyboru przy: SCRIPT a następnie korzystając z przycisku: Browse wybrać właściwy plik.



alias	CA's common name
-------	------------------

simple-ca	simple ca
-----------	-----------

plgrid-ca	polish grid ca
-----------	----------------

Job name: ZadanieFLUENT

Select application: FLUENT

Select version: any version

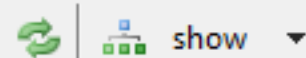
Command line arguments:

Application Parameters

 SCRIPT: SOLVER:

2d

Browse ...



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Job name: Select application: Select version: Command line arguments:

Application Parameters

 SCRIPT: SOLVER:



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Job name: ZadanieFLUENT

Select application: FLUENT

Select version: any version

Command line arguments:

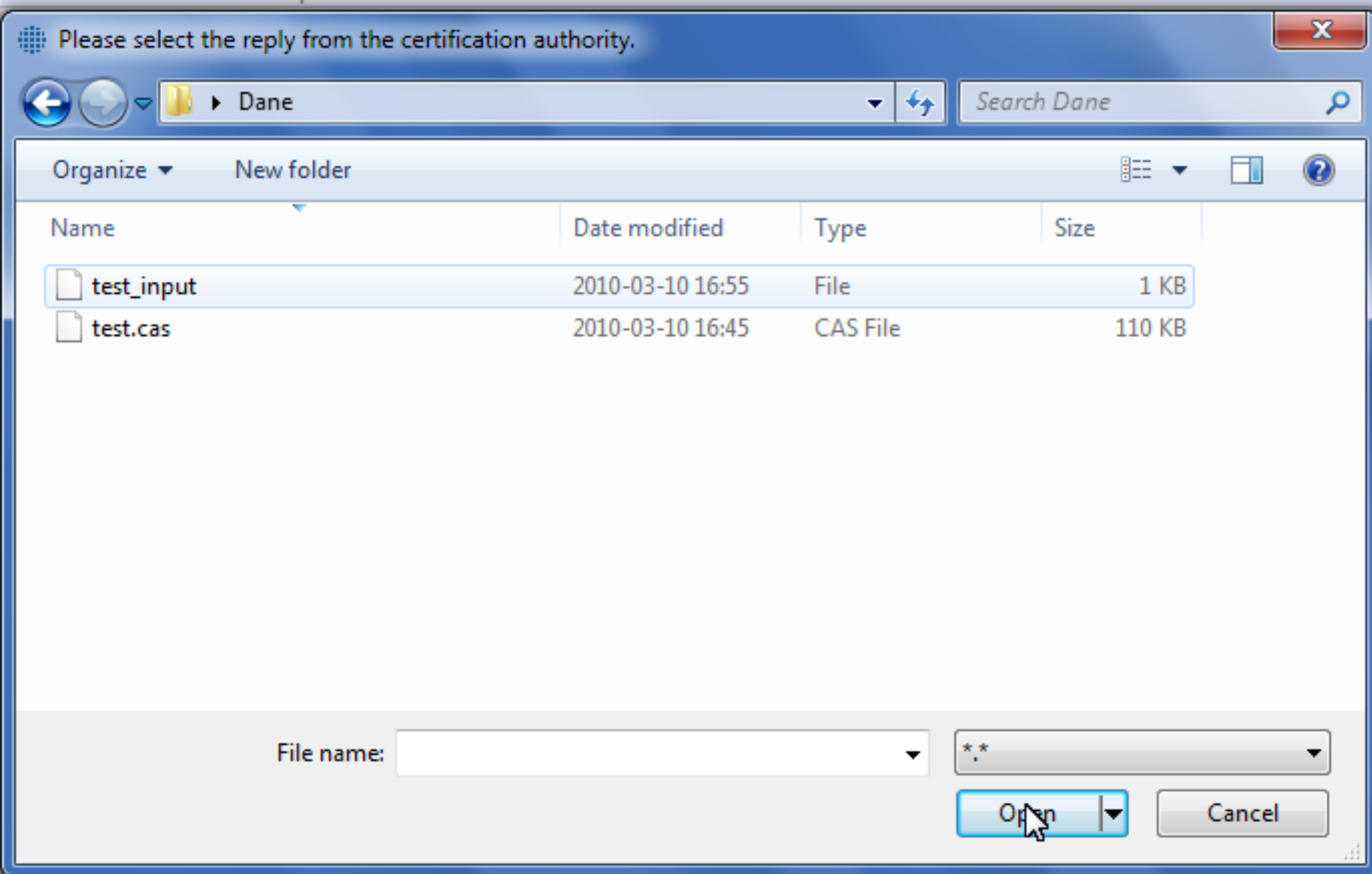
Application Parameters

 SCRIPT:

Browse ...

 SOLVER:

2d



simple-ca simple ca
plgrid-ca polish grid ca



UNICORE

Grid Browser



- Grid
 - PL-Grid Registry
 - Workflow engine @PLGRID-WORKFLOW
 - CYFRONET-ZEUS
 - ICM-HYDRA
 - PCSS
 - TASK-GALERADLUS
 - WCS
 - Storage
 - Storage
 - Storage
 - Storage
 - Storage
 - Storage
 - Storage
 - Storage
 - Storage
 - Storage

Solver może zostać wybrany z rozwijanej listy.

Navigator Keystore Truststore Client Log



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

*Generic

Job name: ZadanieFLUENT

Select application: FLUENT

Select version: any version

Command line arguments:

Application Parameters

 SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input

Browse ...

 SOLVER: 2d

Generic Files Variables Resources



UNICORE

Grid Browser



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64

Navigator Keystore Truststore Client Log



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

*Generic

Job name: ZadanieFLUENT

Select application: FLUENT

Select version: any version

Command line arguments:

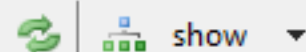
Application Parameters

 SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input

Browse ...

 SOLVER: 2d

Generic Files Variables Resources



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Job name: ZadanieFLUENT

Select application: FLUENT

Select version: any version

Command line arguments:

Application Parameters

 SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input

Browse ...

 SOLVER: 2d
2d
2ddp
3d
3ddp



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Job name: ZadanieFLUENT

Select application: FLUENT

Select version: any version

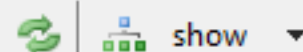
Command line arguments:

Application Parameters

 SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input

Browse ...

 SOLVER: 2d



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage
- Storage
- Storage
- Storage

alias

simple-ca

plgrid-ca

simple ca

polish grid ca

Job name: ZadanieFLUENT

Select application: FLUENT

Select version: any version

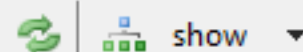
Command line arguments:

Application Parameters

 SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input

Browse ...

Czasem zachodzi potrzeba uploadowania na zdalna maszynę dodatkowych plików. W przedstawianym przykładzie, skrypt test_input korzysta z pliku test.cas. Aby przesłać dodatkowy plik należy przejść do zakładki Files.



Grid

PL-Grid-Resistor

W zakładce widoczny jest, dodany już wcześniej za pomocą przycisku Browse skrypt.

Aby dodać plik test.cas klikamy prawym przyciskiem myszki w wolnym rzędzie i wybieramy: add File.

alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Imports to job directory:

Name	Source Type	Source File(s)	File(s) in Job Directory
SCRI...	Local_File	C:\Users\P...	input_file

Exports from job directory:

Name	File(s) in Job Directory	Destination Type	File(s) at Destination / File ID
STANDARD_ERROR	stderr	None	
STANDARD_OUT	stdout	None	



show

Grid

PL-Grid Registry

Workflow engine @PLGRID-WORKFLOW

CYFRONET-ZEUS

ICM-HYDRA

PCSS

TASK-GALERAPLUS

WCSS64

Storage factory DEFAULT @ICM-HYDRA

Storage SHARE-ACK @CYFRONET-ZEUS

Storage SHARE-ICM @ICM-HYDRA

Storage SHARE-PCSS @PCSS

Storage SHARE-TASK @TASK-GALERAPLUS

Storage SHARE-WCSS @WCSS64



alias

CA's common name

simple-ca

simple ca

plgrid-ca

polish grid ca

Imports to job directory:

Name	Source Type	Source File(s)	File(s) in Job Directory
SCRI...	Local_File	C:\Users\P...	input_file

Exports from job directory:

Name	File(s) in Job Directory	Destination Type	File(s) at Destination / File ID
STANDARD_ERROR	stderr	None	
STANDARD_OUT	stdout	None	



show

Grid

PL-Grid Registry

Workflow engine @PLGRID-WORKFLOW

CYFRONET-ZEUS

ICM-HYDRA

PCSS

TASK-GALERAPLUS

WCSS64

Storage factory DEFAULT @ICM-HYDRA

Storage SHARE-ACK @CYFRONET-ZEUS

Storage SHARE-ICM @ICM-HYDRA

Storage SHARE-PCSS @PCSS

Storage SHARE-TASK @TASK-GALERAPLUS

Storage SHARE-WCSS @WCSS64

alias

CA's common name

simple-ca

simple ca

plgrid-ca

polish grid ca

Imports to job directory:

Name	Source Type	Source File(s)	File(s) in Job Directory
SCRI...	Local_File	C:\Users\P...	input_file
INPU...	Local_File		

Exports from job directory:

Name	File(s) in Job Directory	Destination Type	File(s) at Destination / File ID
STANDARD_ERROR	stderr	None	
STANDARD_OUT	stdout	None	



show

Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64



alias

CA's common name

simple-ca

simple ca

plgrid-ca

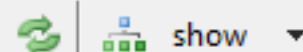
polish grid ca

Imports to job directory:

Name	Source Type	Source File(s)	File(s) in Job Directory
SCRI...	Local_File	C:\Users\P...	input_file
INPU...	Local_File		

Exports from job directory:

Name	File(s) in Job Directory	Destination Type	File(s) at Destination / File ID
STANDARD_ERROR	stderr	None	
STANDARD_OUT	stdout	None	



Grid

PL-Grid Registry

Workflow engine @PLGRID-WORKFLOW

Z listy rozwijanej, w kolumnie: Source Type, możemy wybrać obecną lokalizację pliku (np. lokalny komputer, czy zdalny Storage).

Plik test.cas pobierany będzie z lokalnego komputera zatem pozostawiamy: Local_File.

alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Imports to job directory:

Name	Source Type	Source File(s)	File(s) in Job Directory
SCRIPT...	Local_File	C:\Users\P...	input_file
IPU...	Local_File		

Local_File
UNICORE_Storage
Other

Exports from job directory:

Name	File(s) in Job Directory	Destination Type	File(s) at Destination / File ID
STANDARD_ERROR	stderr	None	
STANDARD_OUT	stdout	None	



show

Grid

PL-Grid Registry

Workflow engine @PLGRID-WORKFLOW

CYFRONET-ZEUS

ICM-HYDRA

PCSS

TASK-GALERAPLUS

WCSS64

Storage factory DEFAULT @ICM-HYDRA

Storage SHARE-ACK @CYFRONET-ZEUS

Storage SHARE-ICM @ICM-HYDRA

Storage SHARE-PCSS @PCSS

Storage SHARE-TASK @TASK-GALERAPLUS

Storage SHARE-WCSS @WCSS64

alias

CA's common name

simple-ca

simple ca

plgrid-ca

polish grid ca

Imports to job directory:

Name	Source Type	Source File(s)	File(s) in Job Directory
SCRI...	Local_File	C:\Users\P...	input_file
INPU...	Local_File		

Exports from job directory:

Name	File(s) in Job Directory	Destination Type	File(s) at Destination / File ID
STANDARD_ERROR	stderr	None	
STANDARD_OUT	stdout	None	



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64

alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Imports to job directory:

Name	Source Type	Source File(s)	File(s) in Job Directory
SCRIPT	Local_File	C:\Users\PL_GRID\Desktop\Dane\test_input	input_file
INPUT_1	Local_File		

Po kliknięciu w kolumnie: Source File(s) pojawi się przycisk. Kliknięcie przycisku otworzy okna dialogowe. W kolejnych krokach wskazujemy plik, który będziemy wykorzystywać.

Exports from job dir

Name	File ID
STANDARD_ERROR	None
STANDARD_OUT	stdout



show

Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64



alias CA's common name

simple-ca simple ca

plgrid-ca polish grid ca

Imports to job directory:

Name	Source Type	Source File(s)	File(s) in Job Directory
SCRIPT	Local_File	C:\Users\PL_GRID\Desktop\Dane\test_input	input_file
INPUT_1	Local_File		

Exports from job directory:

Name	File(s) in Job Directory	Destination Type	File(s) at Destination / File ID
STANDARD_ERROR	stderr	None	
STANDARD_OUT	stdout	None	



UNICORE

Grid Browser



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64

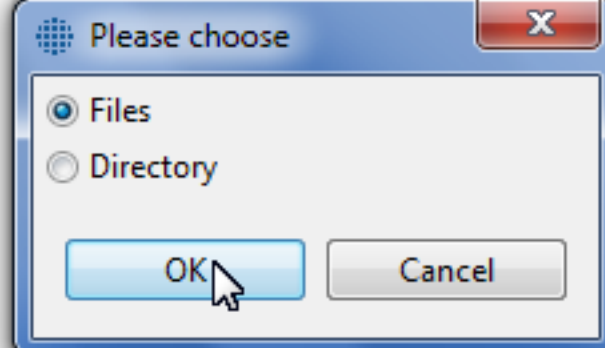
Navigator Keystore Truststore Client Log

alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

*Generic

Imports to job directory:

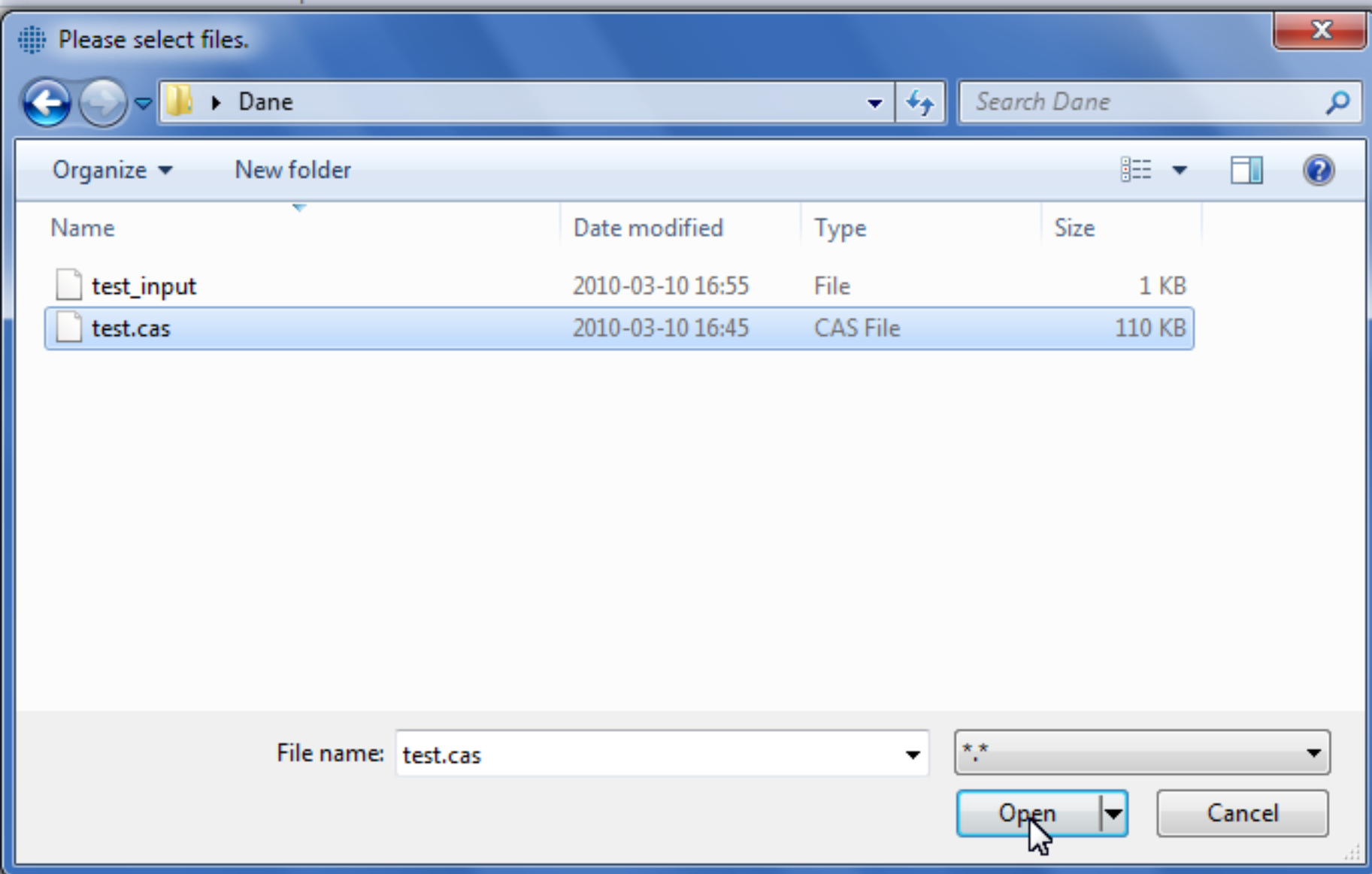
Name	Source Type	Source File(s)	File(s) in Job Directory
		...ers\PL_GRID\Desktop\Dane\test_input	input_file



Exports from job directory:

Name	File(s) in Job Directory	Destination Type	File(s) at Destination / File ID
STANDARD_ERROR	stderr	None	
STANDARD_OUT	stdout	None	

Generic Files Variables Resources



simple-ca
plgrid-ca

simple ca
polish grid ca

Generic Files Variables Resources

File(s) in Job Directory	
top\Dane\test_input	input_file
...	

Destination Type	File(s) at Destination / File ID
ne	
ne	



- Grid
- PL-Grid Registry
 - Workflow engine @PLGRID-WORKFLOW
 - CYFRONET-ZEUS
 - ICM-HYDRA
 - PCSS
 - TASK-GALERAPLUS
 - WCSS64
 - Storage factory DEFAULT @ICM-HYDRA
 - Storage SHARE-ACK @CYFRONET-ZEUS
 - Storage SHARE-ICM @ICM-HYDRA
 - Storage SHARE-PCSS @PCSS
 - Storage SHARE-TASK @TASK-GALERAPLUS
 - Storage SHARE-WCSS @WCSS64

alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Imports to job directory:

Name	Source Type	Source File(s)	File(s) in Job Directory
SCRIPT	Local_File	C:\Users\PL_GRID\Desktop\Dane\test_input	input_file
INPUT_1	Local_File	C:\Users\PL_GRID\Desktop\Dane\test.cas	test.cas

Exports from job directory:

Name	File(s) in Job Directory	Destination Type	File(s) at Destination / File ID
STANDARD_ERROR	stderr	None	
STANDARD_OUT	stdout	None	



- Grid
 - PL-Grid Registry
 - Workflow engine @PLGRID-WORKFLOW
 - CYFRONET-ZEUS
 - ICM-HYDRA
 - PCSS
 - TASK-GALERAPLUS
 - WCSS64
 - Storage factory DEFAULT @ICM-HYDRA
 - Storage SHARE-ACK @CYFRONET-ZEUS
 - Storage SHARE-ICM @ICM-HYDRA
 - Storage SHARE-PCSS @PCSS
 - Storage SHARE-TASK @TASK-GALERAPLUS
 - Storage SHARE-WCSS @WCSS64

alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Imports to job directory:

Name	Source Type	Source File(s)	File(s) in Job Directory
SCRIPT	Local_File	C:\Users\PL_GRID\Desktop\Dane\test_input	input_file
INPUT_1	Local_File	C:\Users\PL_GRID\Desktop\Dane\test.cas	test.cas

Exports from job directory:

Name	File ID
STANDARD_ERROR	
STANDARD_OUT	

Wyspecyfikować możemy zasoby, z którymi zadanie zostanie uruchomione na Gridzie.

W tym celu wchodzimy do zakładki: Resources.



UNICORE

Grid Browser

Grid

PL-Grid Regis

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64

Navigator Keystore Truststore Client Log

alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

Możemy powiększyć wybraną zakładkę na całe okno dwukrotnie na nią klikając.

Generic X

Job Properties:

Use	Property	Value	Unit	Des
<input type="checkbox"/>	Total number of CPUs	1		Tot
<input type="checkbox"/>	Number of nodes	1		Tot
<input type="checkbox"/>	CPUs per node	1		Nu
<input type="checkbox"/>	CPU speed	1 024	MHz	Mir
<input type="checkbox"/>	RAM per node	1 024	MBytes	Mir
<input type="checkbox"/>	Wall time	60	minutes	Rec
<input type="checkbox"/>	OS			Inst
<input type="checkbox"/>	CPU Architecture	sparc		Rec
<input type="checkbox"/>	Remote login			Log
<input type="checkbox"/>	Notification email			Em
<input type="checkbox"/>	ExclusiveExecution	false		
<input type="checkbox"/>	NodeProperty			Pro
<input type="checkbox"/>	Project			Pro
<input type="checkbox"/>	Queue	plgrid		Th

Selected Target System:

- Grid
 - PL-Grid Registry
 - ICM-HYDRA
 - TASK-GALERAPLUS

 Filter automatically

Filter now

Generic Files Variables Resources



Job Properties:

Use	Property	Value	Unit	Description
<input type="checkbox"/>	Total number of CPUs	1		Total number of CPUs, distributed over all n
<input type="checkbox"/>	Number of nodes	1		Total number of computing nodes
<input type="checkbox"/>	CPUs per node	1		Number of CPUs per node
<input type="checkbox"/>	CPU speed	1 024	MHz	Minimal clock rate of the processors
<input type="checkbox"/>	RAM per node	1 024	MBytes	Minimal amount of physical memory on ea
<input type="checkbox"/>	Wall time	60	minutes	Required time on each computing node
<input type="checkbox"/>	OS	LINUX		Installed operating system
<input type="checkbox"/>	CPU Architecture	x86_64		Required processor architecture
<input type="checkbox"/>	Remote login			Login name for the selected resource
<input type="checkbox"/>	Notification email			Email address for notification of sucessful/fi
<input type="checkbox"/>	ExclusiveExecution	false		
<input type="checkbox"/>	NodeProperty			Property of a node(s)
<input type="checkbox"/>	Project			Project (PL-Grid Grant ID)
<input type="checkbox"/>	Queue	nlorid		The batch queue to use

Selected Target System:

- Grid
 - PL-Grid Registry
 - ICM-HYDRA
 - TASK-GALERAPLUS

 Filter automatically

Filter now



Job Properties:

Use	Property
<input type="checkbox"/>	Total number of CPU
<input type="checkbox"/>	Number of nodes
<input type="checkbox"/>	CPUs per node
<input type="checkbox"/>	CPU speed
<input type="checkbox"/>	RAM per node
<input type="checkbox"/>	Wall time
<input type="checkbox"/>	OS
<input type="checkbox"/>	CPU Architecture
<input type="checkbox"/>	Remote login
<input type="checkbox"/>	Notification email
<input type="checkbox"/>	ExclusiveExecution
<input type="checkbox"/>	NodeProperty
<input type="checkbox"/>	Project
<input type="checkbox"/>	Queue

Property of a node(s)
ngrid

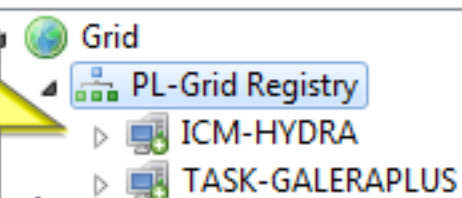
Property (PL-Grid Grant ID)
Project

The batch queue to use
nlgrid

W oknie: Select Target System możemy wybrać, na którym systemie docelowym zadanie zostanie wykonane. Wypisane są tutaj jedynie ośrodki, w których aplikacja jest dostępna.

W niniejszym przykładzie wybór ośrodka pozostawiamy brokerowi, nie wybieramy zatem żadnego systemu.

Selected Target System:

 Filter automatically

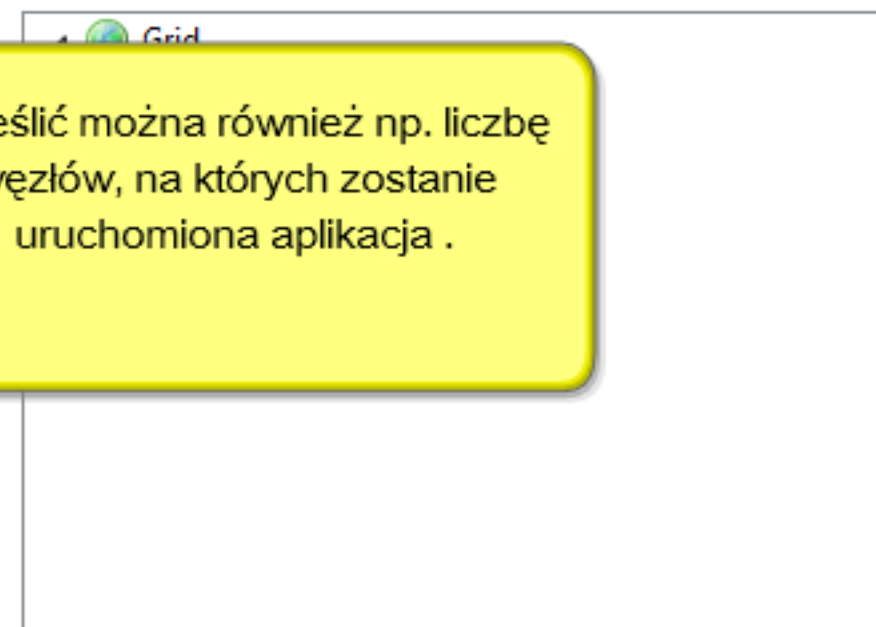
Filter now



Job Properties:

Use	Property	Value	Unit	Description
<input type="checkbox"/>	Number of nodes	1		Total number of computing nodes
<input type="checkbox"/>	CPUs per node	1		Number of CPUs per node
<input type="checkbox"/>	CPU speed	1 024	MHz	Minimal clock rate of the processors
<input type="checkbox"/>	RAM per node	1 024	MBytes	Minimal amount of physical memory on
<input type="checkbox"/>	Wall time	60	minutes	Required time on each computing node
<input type="checkbox"/>	OS	LINUX		Installed operating system
<input type="checkbox"/>	CPU Architecture	x86_64		Required processor architecture
<input type="checkbox"/>	Remote login			Login name for the selected resource
<input type="checkbox"/>	Notification email			Email address for notification of successful/f
<input type="checkbox"/>	ExclusiveExecution	false		
<input type="checkbox"/>	NodeProperty			Property of a node(s)
<input type="checkbox"/>	Project			Project (PL-Grid Grant ID)
<input type="checkbox"/>	Queue	plgrid		The batch queue to use

Selected Target System:



Określić można również np. liczbę węzłów, na których zostanie uruchomiona aplikacja .

 Filter automatically

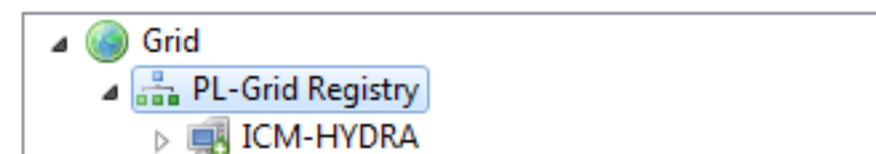
Filter now



Job Properties:

Use	Property	Value	Unit	Description
<input type="checkbox"/>	Number of nodes	1		Total number of computing nodes
<input type="checkbox"/>	CPUs per node	1		Number of CPUs per node
<input type="checkbox"/>	CPU speed	1 024	MHz	Minimal clock rate of the processor
<input type="checkbox"/>	RAM per node	1 024	MBytes	Minimal amount of physical memory
<input type="checkbox"/>	Wall time	60	minutes	Required time on each computing node
<input type="checkbox"/>	OS	LINUX		Installed operating system
<input type="checkbox"/>	CPU Architecture	x86_64		Required processor architecture
<input type="checkbox"/>	Remote login			Login name for the selected resource
<input type="checkbox"/>	Notification email			Email address for notification of success
<input type="checkbox"/>	ExclusiveExecution	false		
<input type="checkbox"/>	NodeProperty			Property of a node(s)
<input type="checkbox"/>	Project			Project (PL-Grid Grant ID)
<input type="checkbox"/>	Queue	plgrid		The batch queue to use

Selected Target System:



Dostępne opcje pozwalają również na określenie RAMu oraz na wyspecyfikowanie Wall time.

Wall time jest czasem działania aplikacji. Należy go zwiększyć, jeżeli spodziewamy się, że program może działać dłużej niż domyślnie ustawiony czas.

Filter now



Job Properties:

Use	Property	Value	Unit	Description
<input type="checkbox"/>	Number of nodes	1		Total number of computing nodes
<input type="checkbox"/>	CPUs per node	1		Number of CPUs per node
<input type="checkbox"/>	CPU speed	1 024	MHz	Minimal clock rate of the processors
<input type="checkbox"/>	RAM per node	1 024	MBytes	Minimal amount of physical memory on ea
<input type="checkbox"/>	Wall time	60		
<input type="checkbox"/>	OS	LINU		
<input type="checkbox"/>	CPU Architecture	x86_6		
<input type="checkbox"/>	Remote login			
<input type="checkbox"/>	Notification email			
<input type="checkbox"/>	ExclusiveExecution	false		
<input type="checkbox"/>	NodeProperty			Property of a node(s)
<input type="checkbox"/>	Project			Project (PL-Grid Grant ID)
<input type="checkbox"/>	Queue	plgrid		The batch queue to use

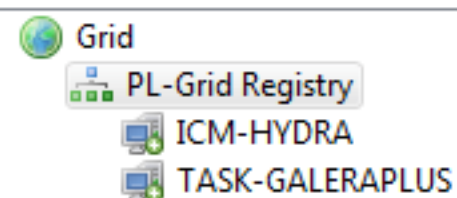
Specify Range Value Parameter - ...

Specify a value

Valid Range 0,017 <= VALUE <= 525 600

OK

Selected Target System:

 Filter automatically

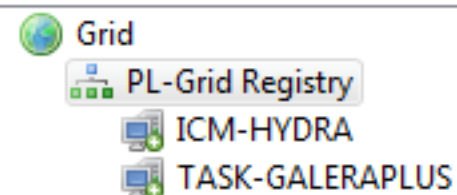
Filter now



Job Properties:

Use	Property	Value	Unit	Description
<input type="checkbox"/>	Number of nodes	1		Total number of computing nodes
<input type="checkbox"/>	CPUs per node	1		Number of CPUs per node
<input type="checkbox"/>	CPU speed	1 024	MHz	Minimal clock rate of the processors
<input type="checkbox"/>	RAM per node	1 024	MBytes	Minimal amount of physical memory on ea
<input checked="" type="checkbox"/>	Wall time	120	minutes	Required time on each computing node
<input type="checkbox"/>	OS	LINUX		Installed operating system
<input type="checkbox"/>	CPU Architecture	x86_64		Required processor architecture
<input type="checkbox"/>	Remote login			Login name for the selected resource
<input type="checkbox"/>	Notification email			Email address for notification of sucessful/fi
<input type="checkbox"/>	ExclusiveExecution	false		
<input type="checkbox"/>	NodeProperty			Property of a node(s)
<input type="checkbox"/>	Project			Project (PL-Grid Grant ID)
<input type="checkbox"/>	Queue	plgrid		The batch queue to use

Selected Target System:

 Filter automatically

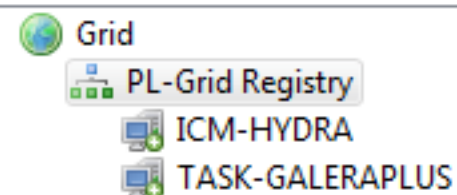
Filter now



Job Properties:

Use	Property	Value	Unit	Description
<input type="checkbox"/>	Number of nodes	1		Total number of computing nodes
<input type="checkbox"/>	CPUs per node	1		Number of CPUs per node
<input type="checkbox"/>	CPU speed	1 024	MHz	Minimal clock rate of the processors
<input type="checkbox"/>	RAM per node	1 024	MBytes	Minimal amount of physical memory on ea
<input checked="" type="checkbox"/>	Wall time	120	minutes	Required time on each computing node
<input type="checkbox"/>	OS	LINUX		Installed operating system
<input type="checkbox"/>	CPU Architecture	x86_64		Required processor architecture
<input type="checkbox"/>	Remote login			Login name for the selected resource
<input type="checkbox"/>	Notification email			Email address for notification of sucessful/fi
<input type="checkbox"/>	ExclusiveExecution	false		
<input type="checkbox"/>	NodeProperty			Property of a node(s)
<input type="checkbox"/>	Project			Project (PL-Grid Grant ID)
<input type="checkbox"/>	Queue	plgrid		The batch queue to use

Selected Target System:

 Filter automatically

Filter now



Job name:

Select application:

Select version:

Command line arguments:

Application Parameters

SCRIPT:

SOLVER:



Job name:

Select application:

Select version:

Command line arguments:

Application Parameters

SCRIPT:

SOLVER:



UNICORE

Grid Browser



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64

Navigator Keystore Truststore Client Log



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

*Generic

Job name: ZadanieFLUENT

Select application: FLUENT

Select version: any version

Command line arguments:

Application Parameters

 SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input

Browse ...

 SOLVER: 2d

Generic Files Variables Resources



UNICORE

Wysyłamy zadanie
do wykonania na
Gridzie.

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64

Navigator Keystore Truststore Client Log

alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca

*Generic

Job name: ZadanieFLUENT

Select application: FLUENT

Select version: any version

Command line arguments:

Application Parameters

 SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input

Browse ...

 SOLVER: 2d

Generic Files Variables Resources



UNICORE

Grid Browser

show

Grid

PL-Grid Registry

Workflow engine @

CYFRONET-ZEUS

ICM-HYDRA

PCSS

TASK-GALERAPLUS

WCSS64

Storage factory DEF

Storage SHARE-ACK

Storage SHARE-ICM

Storage SHARE-PCSS

Storage SHARE-TASK @TASK-GALERAPLUS

Storage SHARE-WCSS @WCSS64

Navigator Keystore Truststore Client Log



alias	CA's common name
-------	------------------

simple-ca	simple ca
-----------	-----------

plgrid-ca	polish grid ca
-----------	----------------

Submit job to de.fzj...10e61b6: (53%)



*ZadanieFLUENT

ZadanieFLUENT submitted at 2012-07-04 12-36-01 (submitting)

Job name:

ZadanieFLUENT submitted at 2012-07-04 12-36-01

Info



Submitted job to Grid/PL-Grid Registry/ICM-HYDRA

< Back

OK

Next >

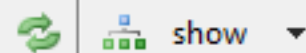
Klient systemu UNICORE
poinformuje nas, w którym
ośrodku zadanie zostanie
wykonane.

Generic

Files

Variables

Resources



- Workflow engine @
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEF
- Storage SHARE-ACK
- Storage SHARE-ICM
- Storage SHARE-PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64



alias	CA's common name
simple-ca	simple ca
plgrid-ca	polish grid ca



Job name:

ZadanieFLUENT submitted at 2012-07-04 12-36-01

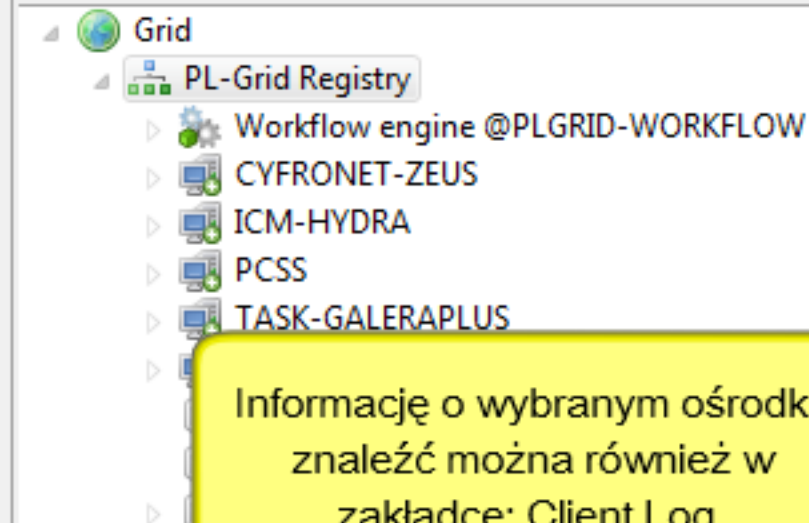


Submitted job to Grid/PL-Grid Registry/ICM-HYDRA

< Back

OK

Next >



Informację o wybranym ośrodku
znaleźć można również w
zakładce: Client Log.

Severity / Message

Plugin

Submitted job to Grid/PL-Grid Registry/ICM-HYE	de.fzj.unicore.
--	-----------------



Job name:

Select application:

Select version:

Command line arguments:

Application Parameters

SCRIPT:

SOLVER:



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA
- PCSS
- TASK-GALERAPLUS
- WCSS64
- Storage factory DEFAULT @ICM-HYDRA
- Storage SHARE-ACK @CYFRONET-ZEUS
- Storage SHARE-ICM @ICM-HYDRA
- Storage SHARE-PCSS @PCSS
- Storage SHARE-TASK @TASK-GALERAPLUS
- Storage SHARE-WCSS @WCSS64

Severity / Message

Plugin

Submitted job to Grid/PL-Grid Registry/ICM-HYDRA de.fzj.unicore.

Job name: ZadanieFLUENT submit

Select application: FLUENT

Select version: any version

Command line arguments:

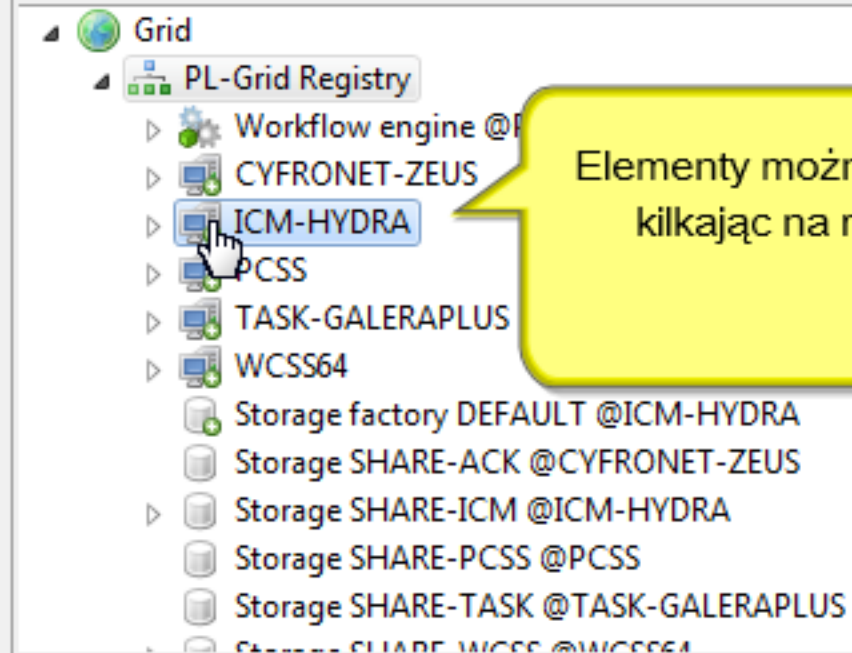
Application Parameters

 SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input

Browse ...

 SOLVER: 2d

Stan zadania (submitted, running, finished) zobaczyć można na belce górnej zadania.



Elementy można rozwinąć np. dwukrotnie
klikając na reprezentujące je ikonki.

Severity / Message

Plugin

Submitted job to Grid/PL-Grid Registry/ICM-HYDRA de.fzj.unicore.

Job name: ZadanieFLUENT submitted at 2012-07-04 12-36-01

Select application: FLUENT

any version

Inputs:

Parameters:

C:\Users\PL_GRID\Desktop\Dane\test_input Browse ...

 SOLVER: 2d



Grid

- PL-Grid Registry
 - Workflow engine @PLGRID-WORKFLOW
 - CYFRONET-ZEUS
 - ICM-HYDRA
 - Target system @ICM-HYDRA
 - Storage GROUPS @ICM-HYDRA
 - Jobs
 - ZadanieFLUENT submitted at 2012-07-04 12-36-01 (finished)
 - Script submitted at 2012-06-19 20-04-42
 - PCSS
 - TASK-GALERAPLUS
 - WICSS64

Submitted job to Grid/PL-Grid Registry/ICM-HYDRA de.fzj.unicore.

Job name: ZadanieFLUENT submitted at 2012-07-04 12-36-01

Select application: FLUENT

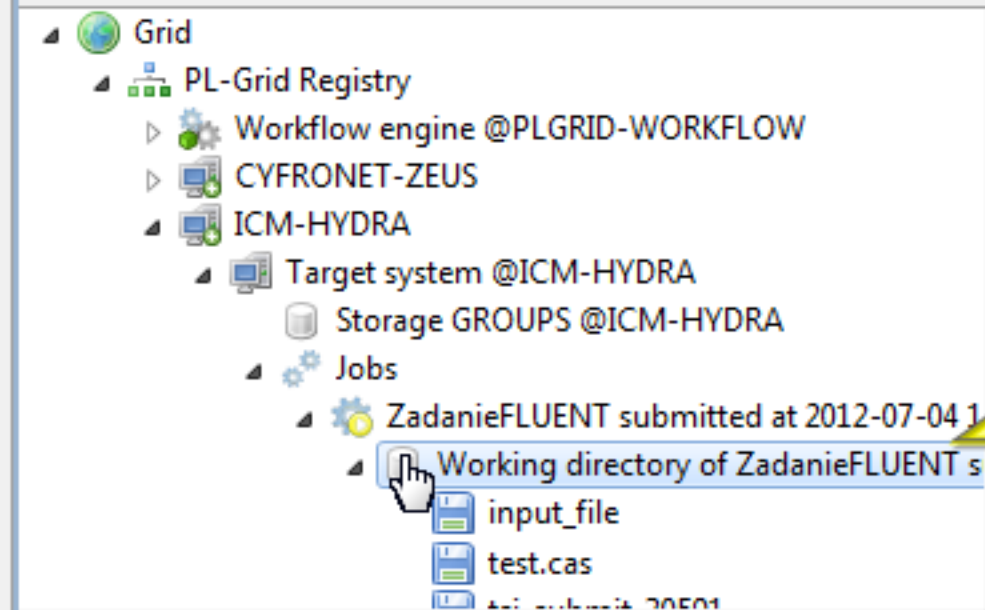
Select version: any version

Command line arguments:

Browse ...

Po rozwinięciu poszczególnych elementów, zobaczyć możemy katalogi związane z wykonanymi przez nas na systemie docelowym zadaniami.

Kolorem zielonym oznaczone są zakończone zadania, a żółtym - aktualnie wykonywane. Ikonki, które nie są zaznaczone żadnym kolorem oznaczają zadania czekające w kolejce.



Job name: ZadanieFLUENT submitted at 2012-07-04 12-36-01
Select application: FLUENT
Select version: any version
Command line arguments:

Application Parameters

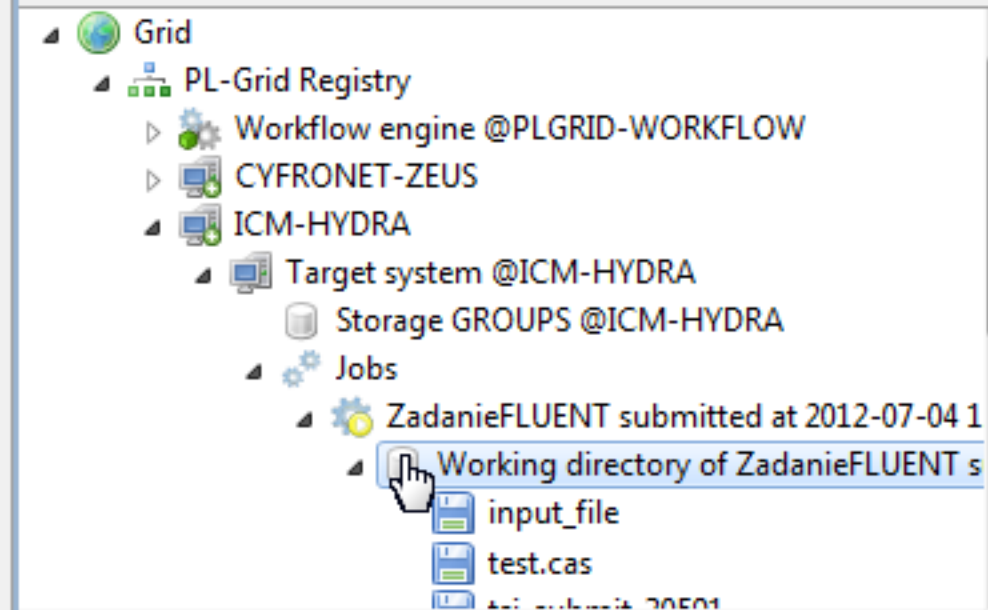
test_input Browse ...

W katalogu roboczym zadania, zobaczyć możemy związane z nim pliki, utworzone na zdalnej maszynie.

Severity / Message

Plugin

Submitted job to Grid/PL-Grid Registry/ICM-HYDRA de.fzj.unicore.



Severity / Message

Plugin

Submitted job to Grid/PL-Grid Registry/ICM-HYDRA de.fzj.unicore.

Job name: ZadanieFLUENT submitted at 2012-07-04 12:36:01

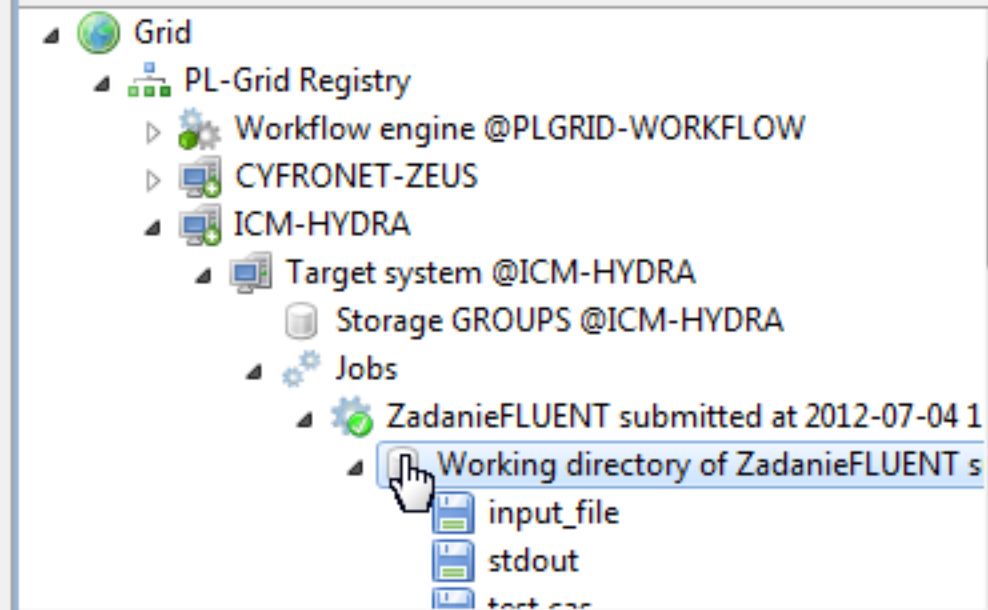
Select application: FLUENT

Select version: any version

Command line arguments:

Application Parameters

- SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input
- SOLVER: 2d



Severity / Message

Plugin

Submitted job to Grid/PL-Grid Registry/ICM-HYE de.fzj.unicore.

Job name: ZadanieFLUENT submitted at 2012-07-04 12:36:01

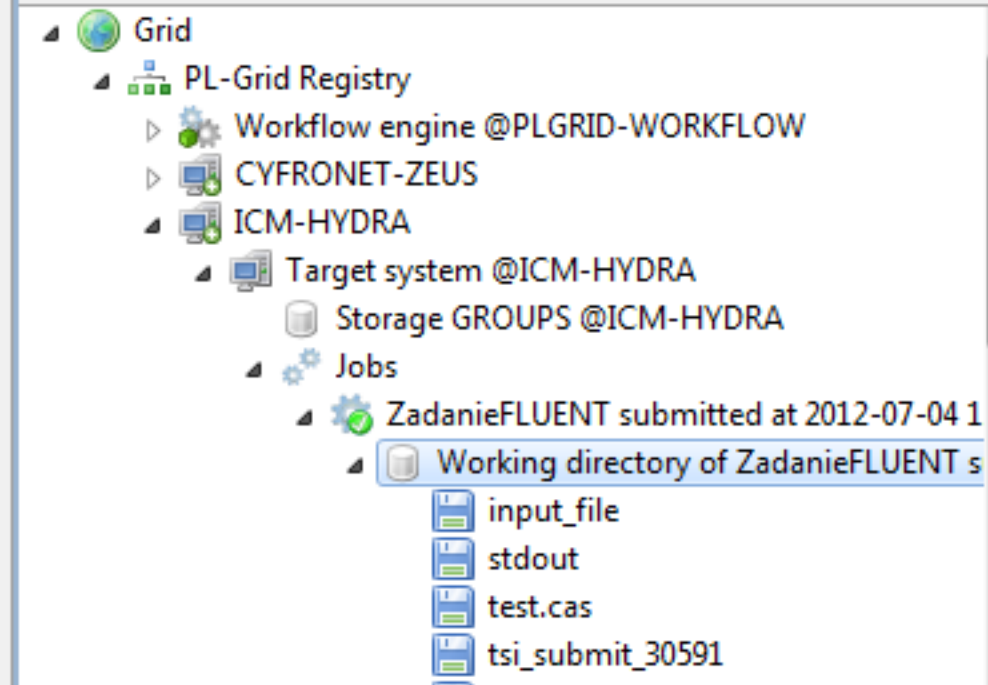
Select application: FLUENT

Select version: any version

Command line arguments:

Application Parameters

- SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input
- SOLVER: 2d



Submitted job to Grid/PL-Grid Registry/ICM-HYDRA de fzi unicore

Job name: ZadanieFLUENT submitted at 2012-07-04 12:36:01

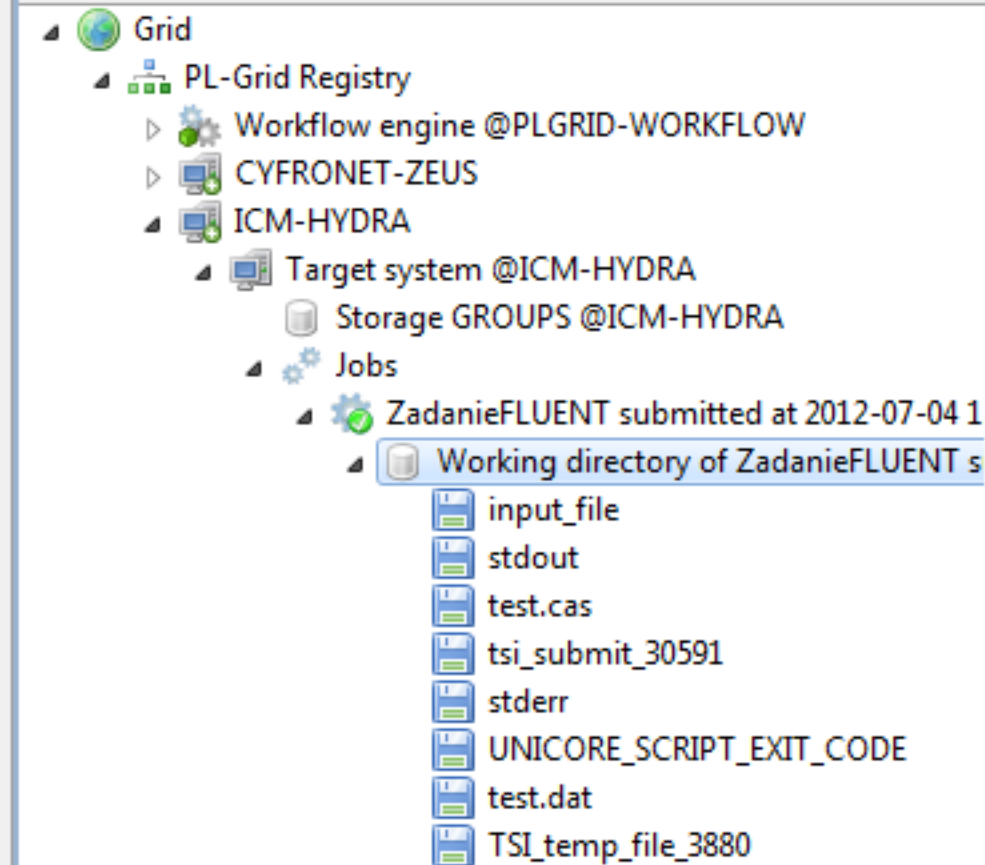
Select application: FLUENT

Select version: any version

Command line arguments:

Application Parameters

- SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input
- SOLVER: 2d



C:\Users\PL_GRID\Desktop\Dane\test_input; 2012-07-04 12:36:01

Job name: ZadanieFLUENT submitted at 2012-07-04 12:36-01

Select application: FLUENT

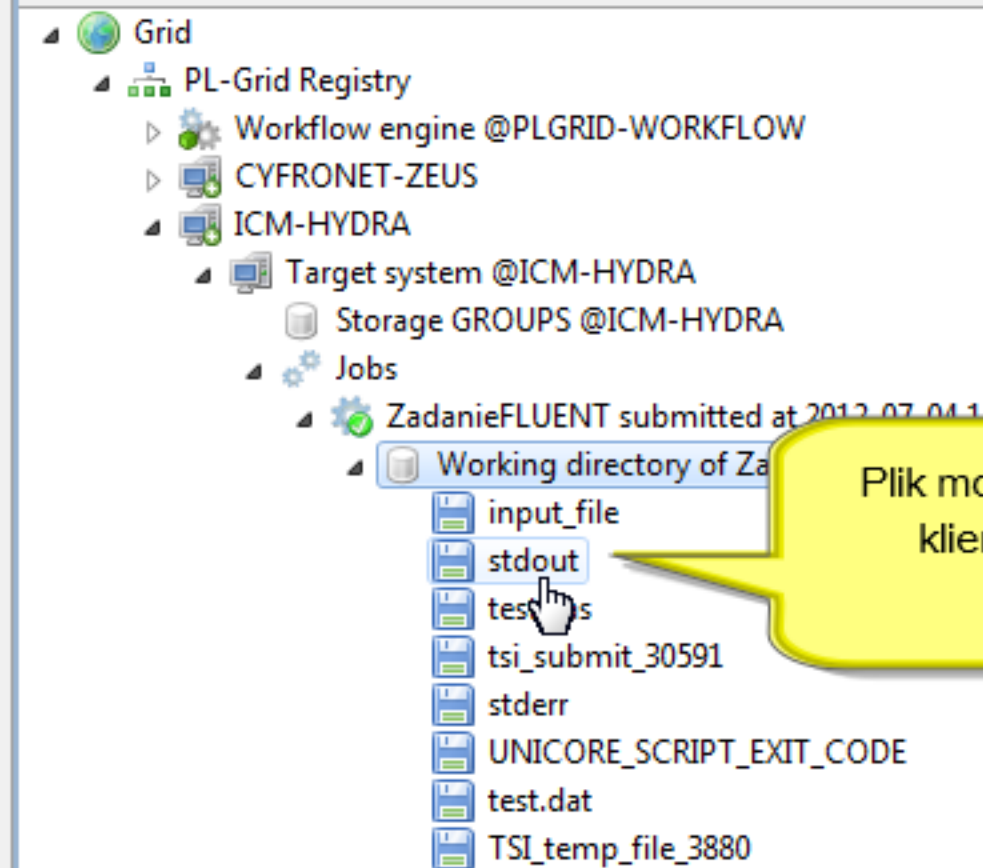
Select version: any version

Command line arguments:

Application Parameters

SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input

SOLVER: 2d



Plik można otworzyć w programie klienta dwukrotnie na niego klikając.

Job name: ZadanieFLUENT submitted at 2012-07-04 12-36-01

Select application: FLUENT

Select version: any version

Command line arguments:

Application Parameters

SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input



- Grid
 - PL-Grid Registry
 - Workflow engine @PLGRID-WORKFLOW
 - CYFRONET-ZEUS
 - ICM-HYDRA
 - Target system @ICM-HYDRA
 - Storage GROUPS @ICM-HYDRA
 - Jobs
 - ZadanieFLUENT submitted at 2012-07-04 1
 - Working directory of ZadanieFLUENT s
 - input_file
 - stdout
 - test_s
 - tsi_submit_30591
 - stderr
 - UNICORE_SCRIPT_EXIT_CODE
 - test.dat
 - TSI_temp_file_3880

```
/vosoft/plgrid/fluent/v130/fluent//fluent13.0.0/bin/fluent -r13
=====
This product has the following patch(es) applied:
patch_ANSYS130_SP2

You can find more information about the patch(es) in the
respective text file(s) located at:
/vosoft/plgrid/fluent/v130/fluent//fluent13.0.0/lnamd64
=====
Loading "/vosoft/plgrid/fluent/v130/fluent//fluent13.0.0/lib/fl
Done.
/vosoft/plgrid/fluent/v130/fluent//fluent13.0.0/bin/fluent -r13
=====
This product has the following patch(es) applied:
patch_ANSYS130_SP2

You can find more information about the patch(es) in the
respective text file(s) located at:
/vosoft/plgrid/fluent/v130/fluent//fluent13.0.0/lnamd64
=====
```



Grid

PL-Grid Registry

- Workflow engine @PLGRID-WORKFLOW
- CYFRONET-ZEUS
- ICM-HYDRA

Target system @ICM-HYDRA

Storage GROUPS @ICM-HYDRA

Jobs

ZadanieFLUENT submitted at 2012-07-04 1

Working directory of ZadanieFLUENT s

- input_file
- stdout
- test.cas
- tsi_submit_30591
- stderr
- UNICORE_SCRIPT_EXIT_CODE
- test.dat
- TSI_temp_file_3880

```
> rc test.cas
```

```
Reading "test.cas"...
```

```
 200 quadrilateral cells, zone 2, binary.  
 40 2D wall faces, zone 3, binary.  
 10 2D outflow faces, zone 4, binary.  
 10 2D velocity-inlet faces, zone 5, binary.  
370 2D interior faces, zone 7, binary.  
231 nodes, binary.  
231 node flags, binary.
```

```
Warning: this is a single-precision solver.
```

```
Building...
```

```
 mesh  
 materials,  
 interface,  
 domains,  
 mixture  
 zones,  
 default-interior  
 wlot  
 wylot
```



- Grid
 - PL-Grid Registry
 - Workflow engine @
 - CYFRONET-ZEUS
 - ICM-HYDRA
 - Target system @
 - Storage GRO
 - Jobs
 - ZadanieF
 - Work
 - in
 - stdout
 - test.cas
 - tsi_submit_30591
 - stderr
 - UNICORE_SCRIPT_EXIT_CODE
 - test.dat
 - TSI_temp_file_3880

- add Registry
- change group
- change mode
- copy
- cut
- delete
- details
- download
- map to security profile
- open in editor
- paste
- refresh
- rename
- save as

Ctrl+Insert

Ctrl+X

Delete

Ctrl+V

F5

F2

Klikając na wybranym pliku prawym przyciskiem myszki, wyświetlimy menu kontekstowe. Jest w nim m.in. opcja zapisania pliku na lokalnej maszynie.

```
.cas  
"test.cas" ...  
quadrilateral cells, zone 2, binary.  
2D wall faces, zone 3, binary.  
2D outflow faces, zone 4, binary.  
2D velocity-inlet faces, zone 5, binary.  
2D interior faces, zone 7, binary.  
nodes, binary.
```

```
mesh  
mater  
interface,  
domains,  
mixture  
zones,  
default-interior  
wlot  
wylot
```



UNICORE

Grid Browser

- Grid
 - PL-Grid Registry
 - Workflow engine @
 - CYFRONET-ZEUS
 - ICM-HYDRA
 - Target system @
 - Storage GRO
 - Jobs
 - ZadanieF
 - Work

- in
- stdout
- test.cas
- tsi_submit_30591
- stderr
- UNICORE_SCRIPT_EXIT_CODE
- test.dat
- TSI_temp_file_3880

save as

- add Registry
- change group
- change mode
- copy
- cut
- delete
- details
- download
- map to security profile
- open in editor
- paste
- refresh
- rename

Ctrl+Insert

Ctrl+X

Delete

Ctrl+V

F5

F2

ZadanieFLUENT submitted at 2012-07-04 12-...

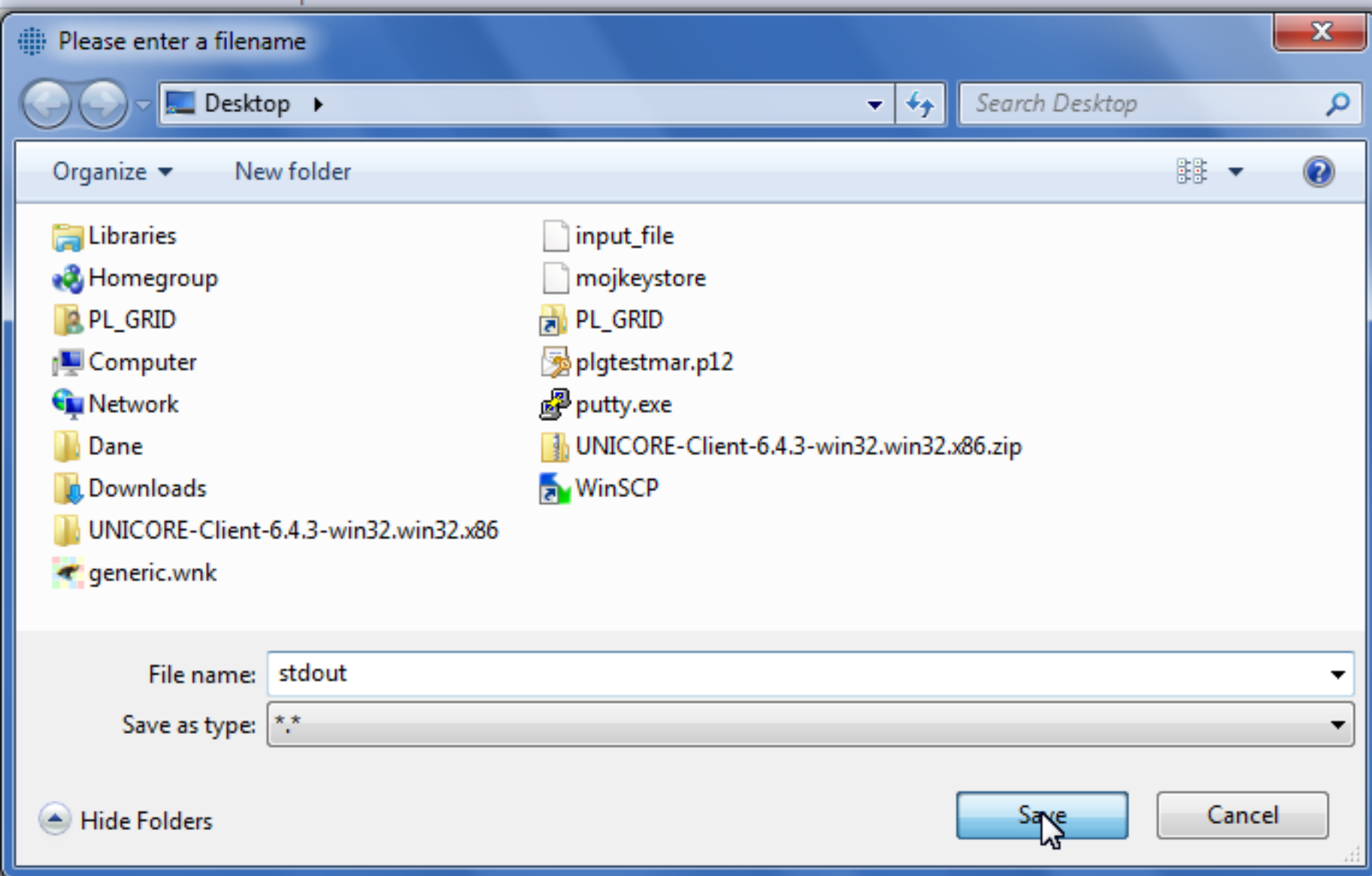
stdout

.cas

"test.cas"...

```
quadrilateral cells, zone 2, binary.  
2D wall faces, zone 3, binary.  
2D outflow faces, zone 4, binary.  
2D velocity-inlet faces, zone 5, binary.  
2D interior faces, zone 7, binary.  
nodes, binary.  
node flags, binary.  
  
this is a single-precision solver.
```

```
...  
mesh  
materials,  
interface,  
domains,  
mixture  
zones,  
default-interior  
wlot  
wylot
```

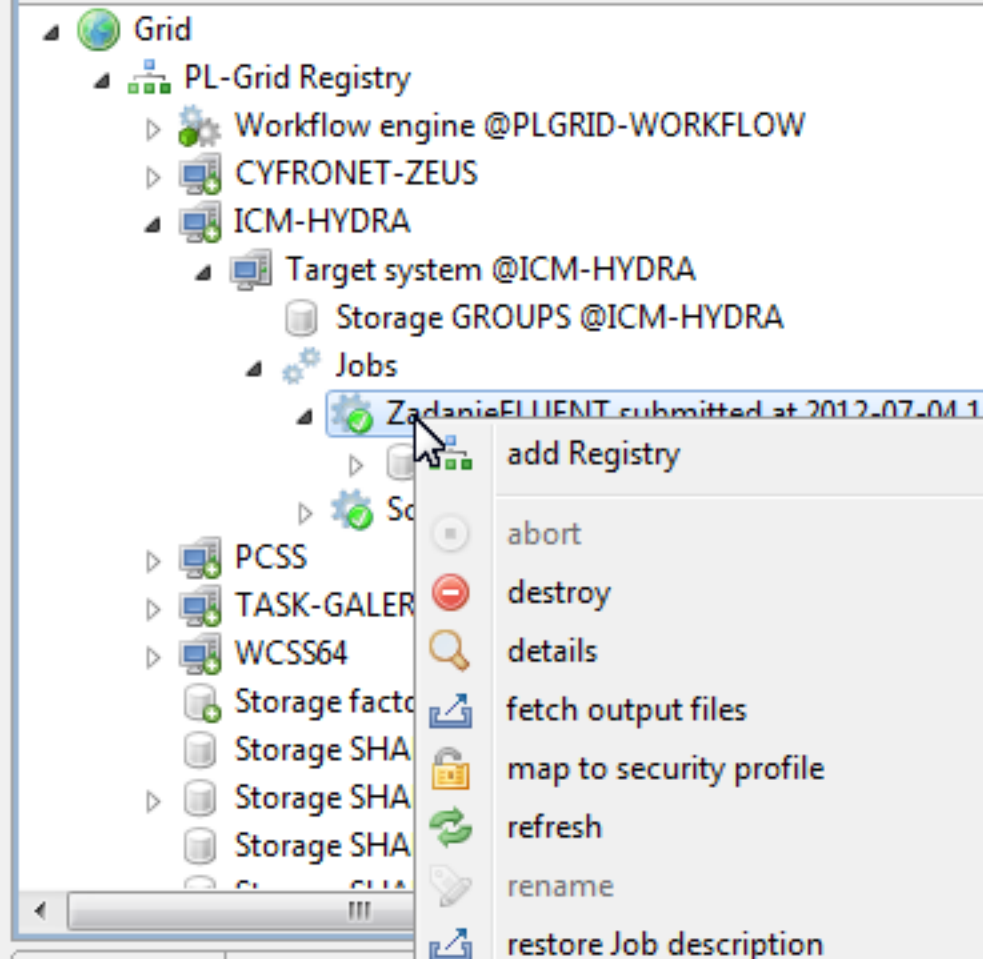


d at 2012-07-04 12-...

stdout

```
2, binary.  
inary.  
, binary.  
zone 5, binary.  
7, binary.
```

n solver.



```
> rc test.cas
```

```
Reading "test.cas"...
```

```
 200 quadrilateral cells, zone 2, binary.
```

```
 40 2D wall faces, zone 3, binary.
```

```
 10 2D outflow faces, zone 4, binary.
```

```
 10 2D velocity-inlet faces, zone 5, binary.
```

```
370 2D interior faces, zone 7, binary.
```

```
231 nodes, binary.
```

```
231 node flags, binary.
```

```
ing:
```

```
dip
```

```
mes
```

```
mat
```

```
int
```

```
dom
```

```
mixt
```

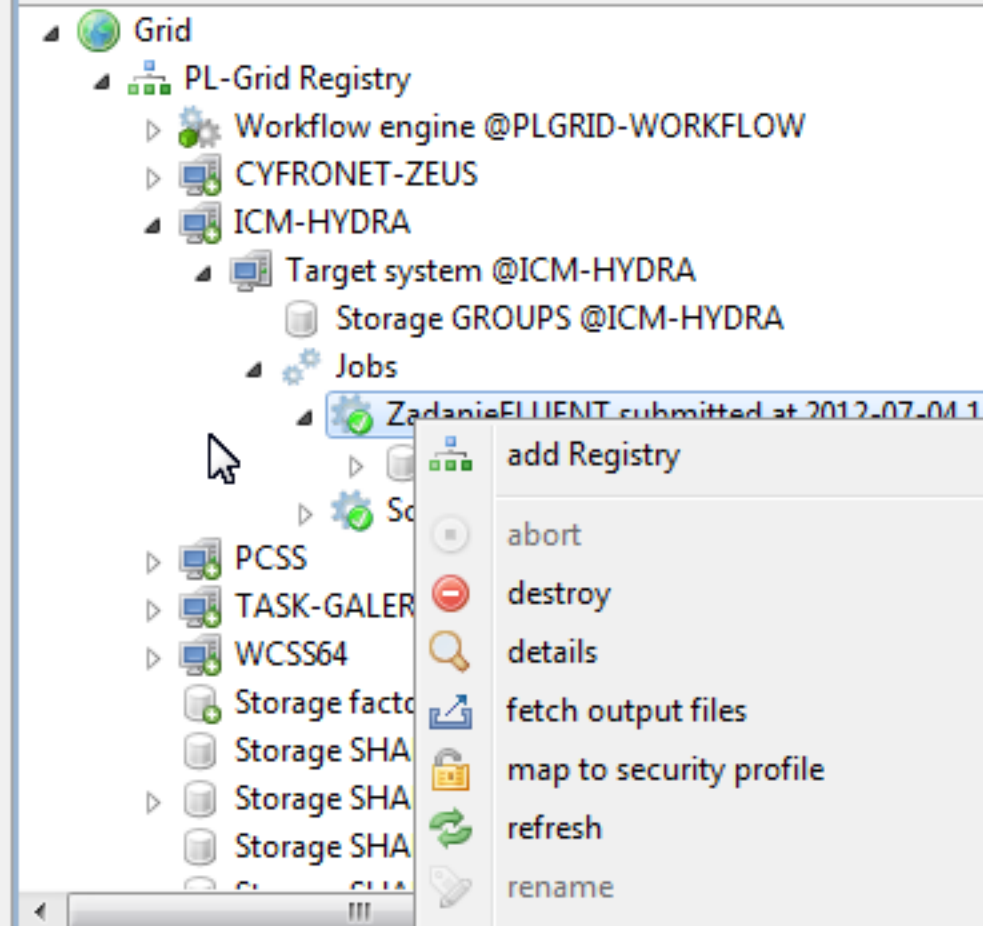
```
zone
```

```
defau
```

```
wlot
```

```
wylot
```

Klikając prawym przyciskiem myszki na nazwie zadania wyświetlimy menu kontekstowe związane z zadaniem. Możemy wówczas wybrać np. opcję jego usunięcia (destroy).



```
> rc test.cas
```

```
Reading "test.cas"...
```

```
  200 quadrilateral cells, zone 2, binary.  
  40 2D wall faces, zone 3, binary.  
  10 2D outflow faces, zone 4, binary.  
  10 2D velocity-inlet faces, zone 5, binary.  
 370 2D interior faces, zone 7, binary.  
 231 nodes, binary.  
 231 node flags, binary.
```

```
ing: this is a single-precision solver.
```

```
ding...
```

```
mesh  
materials,  
interface,  
domains,  
mixture  
zones,  
default-interior  
wlot  
wylot
```



- Grid
 - PL-Grid Registry
 - Workflow engine @PLGRID-WORKFLOW
 - CYFRONET-ZEUS
 - ICM-HYDRA
 - Target system @ICM-HYDRA
 - Storage GROUPS @ICM-HYDRA
 - Jobs
 - ZadanieFLUENT submitted at 2012-07-04 12:04:42
 - Working directory of ZadanieFLUENT s
 - Script submitted at 2012-06-19 20-04-42
 - PCSS
 - TASK-GALERAPLUS
 - WCSS64
 - Storage factory DEFAULT @ICM-HYDRA
 - Storage SHARE-ACK @CYFRONET-ZEUS
 - Storage SHARE-ICM @ICM-HYDRA
 - Storage SHARE-PCSS @PCSS
 - Storage SHARE-TASK @TASK-GALERAPLUS

```
> rc test.cas
```

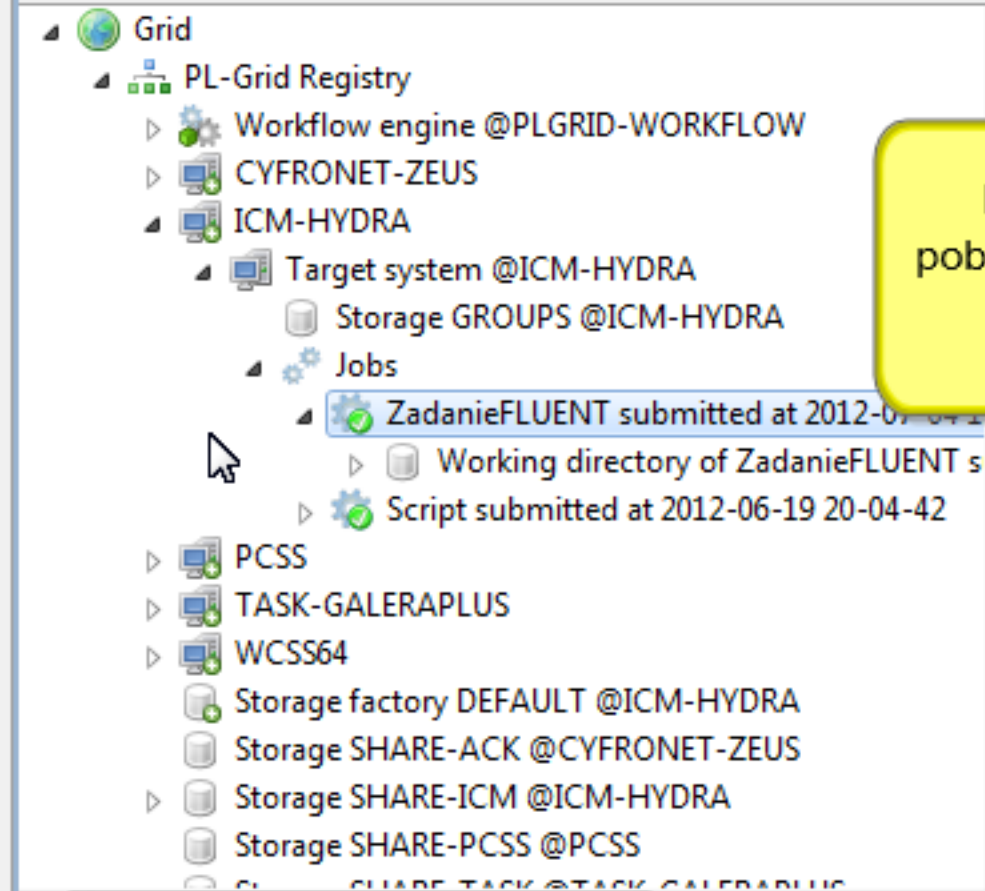
```
Reading "test.cas"...
```

```
    200 quadrilateral cells, zone 2, binary.  
    40 2D wall faces, zone 3, binary.  
    10 2D outflow faces, zone 4, binary.  
    10 2D velocity-inlet faces, zone 5, binary.  
    370 2D interior faces, zone 7, binary.  
    231 nodes, binary.  
    231 node flags, binary.
```

```
Warning: this is a single-precision solver.
```

```
Building...
```

```
    mesh  
    materials,  
    interface,  
    domains,  
    mixture  
    zones,  
    default-interior  
    wlot  
    wylot
```



Pliki wynikowe można również pobrać i obejrzeć korzystając z ikonki: fetch output.

```
> rc test.cas

Reading "test.cas"...
    200 quadrilateral cells, zone 2, binary.
    10 25 11 5 zone 3, binary.
    zone 4, binary.
    faces, zone 5, binary.
    zone 7, binary.
    y.
```

```
Warning: this is a single-precision solver.
```

```
Building...
    mesh
    materials,
    interface,
    domains,
    mixture
    zones,
    default-interior
    wlot
    wylot
```



UNICORE

Grid Br

Kliknięcie na ikonkę niebieskiej strzałki (fetch output), po zakończeniu wykonywania zadania, pozwoli na pobranie jego wyników.

Gr

Gr

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Gr

Gr

Gr

Gr

Gr

Gr

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Gr

Gr

Gr

Gr

Gr

Gr

*ZadanieFLUENT

ZadanieFLUENT submitted at 2012-07-04 12-...

stdout

Job name:

ZadanieFLUENT submitted at 2012-07-04 12-04-12-01

Select application:

FLU

Select version:

any

Command line arguments:

Application Parameters



SCRIPT:

C:\Users\PL_GRID\Desktop\Dane\test_input

Browse ...



SOLVER:

2d

Aby ściągnąć wyniki zadania w ten sposób aktywne musi być okno je reprezentujące.

Navigator

Keystore

Truststore

Client Log

Generic

Files

Variables

Resources



UNICORE Fetch output files

Grid Browser



show

Grid

PL-Grid Registry

Workflow engine @PLGRID-WORKFLOW

CYFRONET-ZEUS

ICM-HYDRA

Target system @ICM-HYDRA

Storage GROUPS @ICM-HYDRA

Jobs

ZadanieFLUENT submitted at 2012-07-04 1

Working directory of ZadanieFLUENT s

Script submitted at 2012-06-19 20-04-42

PCSS

TASK-GALERAPLUS

WCSS64

Storage factory DEFAULT @ICM-HYDRA

Storage SHARE-ACK @CYFRONET-ZEUS

Storage SHARE-ICM @ICM-HYDRA

Storage SHARE-PCSS @PCSS

Navigator Keystore Truststore Client Log

*ZadanieFLUENT

ZadanieFLUENT submitted at 2012-07-04 12-...

stdout

Job name: ZadanieFLUENT submitted at 2012-07-04 12-36-01

Select application: FLUENT

Select version: any version

Command line arguments:

Application Parameters

 SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input

Browse ...

 SOLVER: 2d

Generic Files Variables Resources

UNICORE Rich Client

File Edit Window Help

UNICORE

Grid Browser

Grid

- PL-Grid Registry
 - Workflow engine
 - CYFRONET-ZEU
 - ICM-HYDRA
 - Target system
 - Storage C
 - Jobs
 - Zada
 - W
 - Script
- PCSS
- TASK-GALERAP
- WCSS64
- Storage factory
- Storage SHARE-
- Storage SHARE-
- Storage SHARE-

Navigator Keystore

Selection Needed

Select files for download

- stdout (4084 Byte)
- stderr (771 Byte)

Wybieramy pliki, które chcemy pobrać.

Select All Deselect All

Download files to:

C:\Users\PL_GRID\Desktop\UNICORE-Client-6.4.3-win32.win32.x86\UNICORE-Client-6.4.3\work Browse

OK Cancel

stdout

2-36-01

Browse ...

Fetch outcome for : (13%)

UNICORE Rich Client

File Edit Window Help

UNICORE

Grid Browser

Grid

- PL-Grid Registry
 - Workflow engine
 - CYFRONET-ZEU
 - ICM-HYDRA
 - Target system
 - Storage C
 - Jobs
 - Zada
 - W
 - Script
- PCSS
- TASK-GALERAP
- WCSS64
- Storage factory
- Storage SHARE-
- Storage SHARE-
- Storage SHARE-

Navigator Keystore

Selection Needed

Select files for download

- stdout (4084 Byte)
- stderr (771 Byte)

Określić możemy katalog, do którego pobrane zostaną pliki wynikowe.

Select All Deselect All

Download files to:

C:\Users\PL_GRID\Desktop\UNICORE-Client-6.4.3-win32.win32.x86\UNICORE-Client-6.4.3\work Browse

OK Cancel

stdout

2-36-01

Browse ...

Fetch outcome for : (13%)

UNICORE Rich Client

File Edit Window Help

UNICORE

Grid Browser

Grid

- PL-Grid Registry
 - Workflow engine
 - CYFRONET-ZEU
 - ICM-HYDRA
 - Target system
 - Storage C
 - Jobs
 - Zada
 - W
 - Script
- PCSS
- TASK-GALERAP
- WCSS64
- Storage factory
- Storage SHARE-
- Storage SHARE-
- Storage SHARE-

Navigator Keystore

Fetch outcome for : (13%)

Selection Needed

Select files for download

- stdout (4084 Byte)
- stderr (771 Byte)

Select All Deselect All

Download files to:

C:\Users\PL_GRID\Desktop\UNICORE-Client-6.4.3-win32.win32.x86\UNICORE-Client-6.4.3\work Browse

OK Cancel

Zatwierdzamy wybór przyciskiem: OK.

stdout

2-36-01

Browse ...



show

Grid

PL-Grid Registry

Workflow engine @PLGRID-WORKFLOW

CYFRONET-ZEUS

ICM-HYDRA

Target system @ICM-HYDRA

Storage GROUPS @ICM-HYDRA

Jobs

ZadanieFLUENT submitted at 2012-07-04 1

Working directory of ZadanieFLUENT s

Script submitted at 2012-06-19 20-04-42

PCSS

TASK-GALERAPLUS

WCSS64

Storage factory DEFAULT @ICM-HYDRA

Storage SHARE-ACK @CYFRONET-ZEUS

Storage SHARE-ICM @ICM-HYDRA

Storage SHARE-PCSS @PCSS

Job name: ZadanieFLUENT submitted at 2012-07-04 12-36-01

Select application: FLUENT

Select version: any version

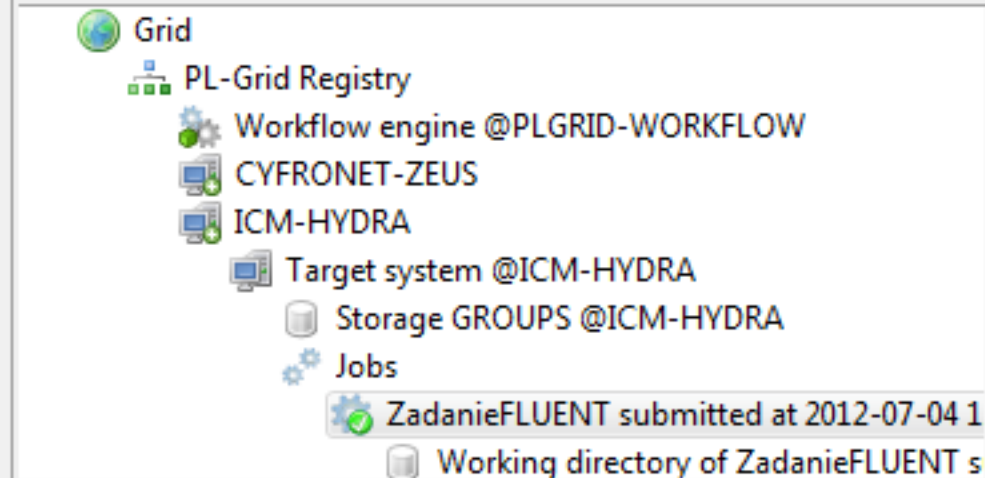
Command line arguments:

Application Parameters

 SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input

Browse ...

 SOLVER: 2d



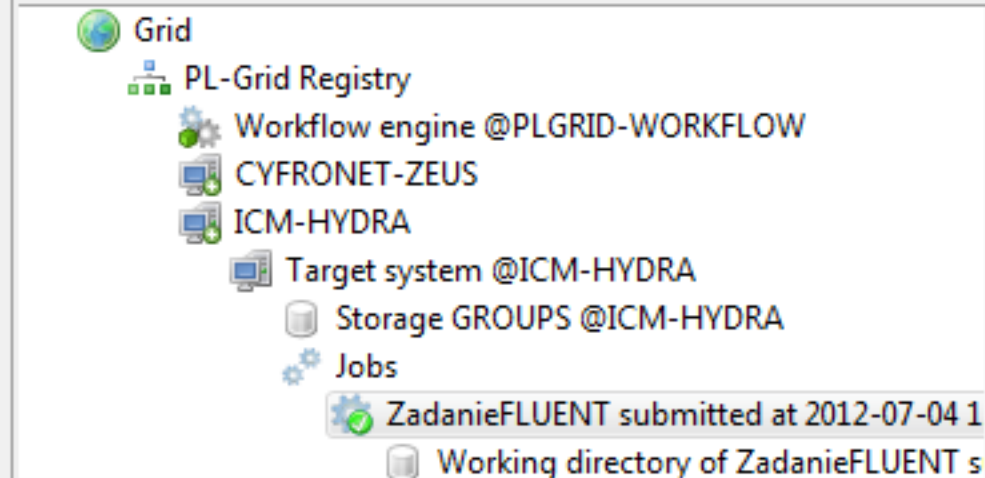
```
/vosoft/plgrid/fluent/v130/fluent//fluent13.0.0/bin/fluent -r13.0.0  
=====  
This product has the following patch(es) applied:  
patch_ANSYS130_SP2  
  
You can find more information about the patch(es) in the  
respective text file(s) located at:
```

Job name: ZadanieFLUENT submitted at 2012-07-04 12-36-01
Select application: FLUENT
Select version: any version
Command line arguments:

Application Parameters

SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input Browse ...

Wyniki możemy wówczas
zobaczyć również w zakładce:
Output.



```
/vosoft/plgrid/fluent/v130/fluent//fluent13.0.0/bin/fluent -r13.0.0  
=====
```

This product has the following patch(es) applied:
patch_ANSYS130_SP2

You can find more information about the patch(es) in the
respective text file(s) located at:

Job name: ZadanieFLUENT submitted at 2012-07-04 12-36-01

Select application: FLUENT

Select version: any version

Command line arguments:

Application Parameters

- SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input
- SOLVER: 2d



UNICORE

Grid Browser



Grid

PL-Grid Registry

Workflow engine @PLGRID-WORKFLOW

CYFRONET-ZEUS

ICM-HYDRA

Target system @ICM-HYDRA

Storage GROUPS @ICM-HYDRA

Jobs

ZadanieFLUENT submitted at 2012-07-04 1

Working directory of ZadanieFLUENT s

Navi... Keys... Trus... Clie... Outp

/vosoft/plgrid/fluent/v130/fluent//fluent13.0.0/bin/flue

=====

This product has the following patch(es) applied:
patch_ANSYS130_SP2

You can find more information about the patch(es) in the
respective text file(s) located at:

Stdout Stderr Log

*ZadanieFLUENT

ZadanieFLUENT submitted at 2012-07-04 12-...

stdout

Job name: ZadanieFLUENT submitted at 2012-07-04 12-36-01

Select application: FLUENT

Select version: any version

Command line arguments:

Application Parameters

 SCRIPT: C:\Users\PL_GRID\Desktop\Dane\test_input

Browse ...

 SOLVER: 2d

Output for Job ZadanieFLUENT submitted at 2012-07-04 12-36-01

Generic Files Variables Resources



```
/vosoft/plgrid/fluent/v130/fluent//fluent13.0.0/bin/fluent -r13.0.0 2d -i input_file -g
```

```
=====  
This product has the following patch(es) applied:  
patch_ANSYS130_SP2
```

You can find more information about the patch(es) in the
respective text file(s) located at:

```
/vosoft/plgrid/fluent/v130/fluent//fluent13.0.0/lnamd64
```

```
=====  
Loading "/vosoft/plgrid/fluent/v130/fluent//fluent13.0.0/lib/fluent.dmp.114-64"
```

```
Done.
```

```
/vosoft/plgrid/fluent/v130/fluent//fluent13.0.0/bin/fluent -r13.0.0 2d -alnamd64 -path/vosoft/plgrid/fluent/v130/fluent/ -cx wn2033.plgrid.icm.edu.pl:47890:45848
```

```
=====  
This product has the following patch(es) applied:  
patch_ANSYS130_SP2
```

You can find more information about the patch(es) in the
respective text file(s) located at:

```
/vosoft/plgrid/fluent/v130/fluent//fluent13.0.0/lnamd64
```

```
=====
```

```
-----  
This is a version of FLUENT intended for use by students,
```



UNICORE



Navigator

Keystore

Truststore

Client Log

Output for Job ZadanieFLUENT submitted at 2012-07-04 12-36-01



370 2D interior faces, zone 7, binary.

231 nodes, binary.

231 node flags, binary.

Warning: this is a single-precision solver.

Building...

mesh

materials,

interface,

domains,

mixture

zones,

default-interior

wlot

wylot

sciany

srodek

Note: 2d, double precision, pressure-based, laminar case read into

2d, pressure-based, laminar solver.

Done.

> solve/initialize/initialize-flow

Stdout

Stderr

Log





370 2D interior faces, zone 7, binary.
231 nodes, binary.
231 node flags, binary.

Warning: this is a single-precision solver.

Building...

mesh
materials,
interface,
domains,
mixture
zones,
default-interior
wlot
wylot
sciany
srodek

Note: 2d, double precision, pressure-based, laminar case read into
2d, pressure-based, laminar solver.

Done.

> solve/initialize/initialize-flow



show

Grid

PL-Grid Registry

Workflow engine @PLGRID-WORKFLOW

CYFRONET-ZEUS

ICM-HYDRA

Target system @ICM-HYDRA

Storage GROUPS @ICM-HYDRA

Jobs

ZadanieFLUENT submitted at 2012-07-04 12-36-01

Working directory of ZadanieFLUENT

370 2D interior faces, zone 7, binary.

231 nodes, binary.

231 node flags, binary.

Warning: this is a single-precision solver.

Building...

mesh

Job name:

ZadanieFLUENT submitted at 2012-07-04 12-36-01

Select application:

FLUENT

Kolejne prezentacje pokazują w jaki sposób uruchamiać własne skrypty korzystając z GridBeanu Script oraz programy posiadające dedykowane GridBeany.

desktop\Dane\test_input

Browse ...