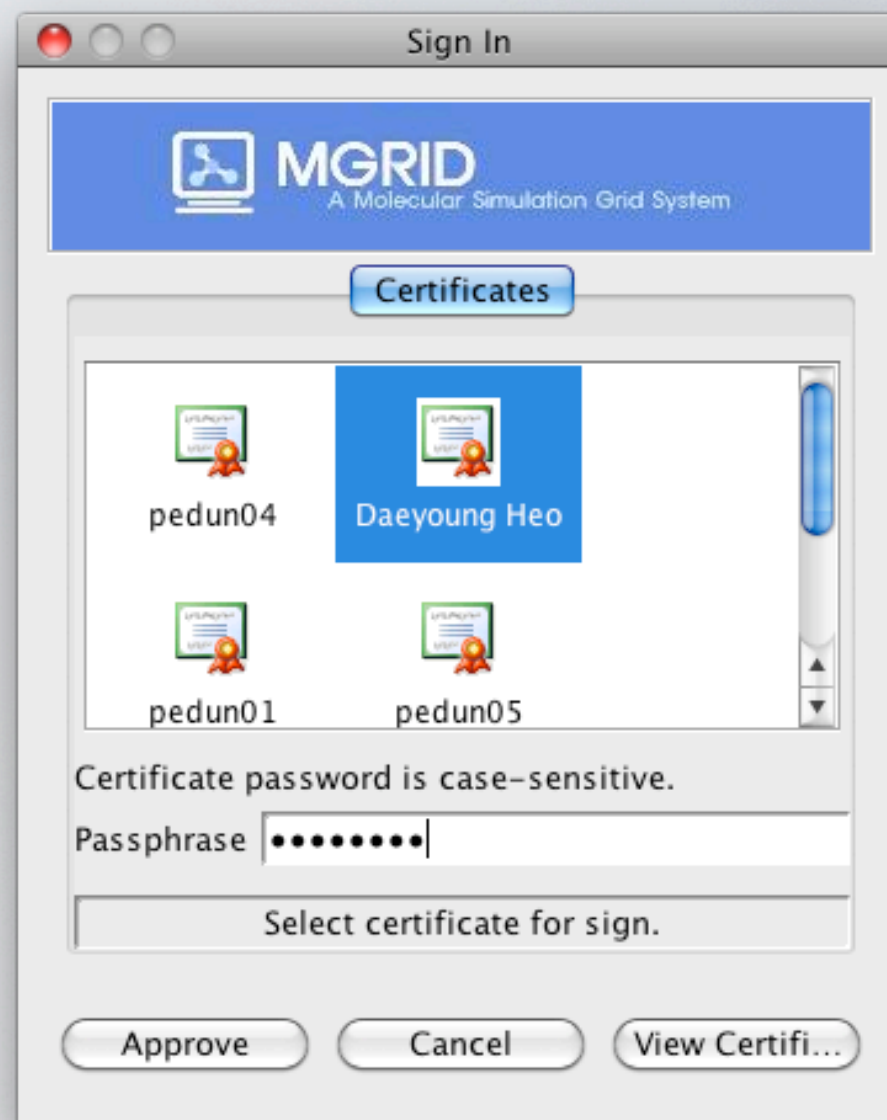


# **A SUGGESTED USAGE PATTERN OF MGRID**

Suntae Hwang, Daeyoung Heo  
Kookmin University

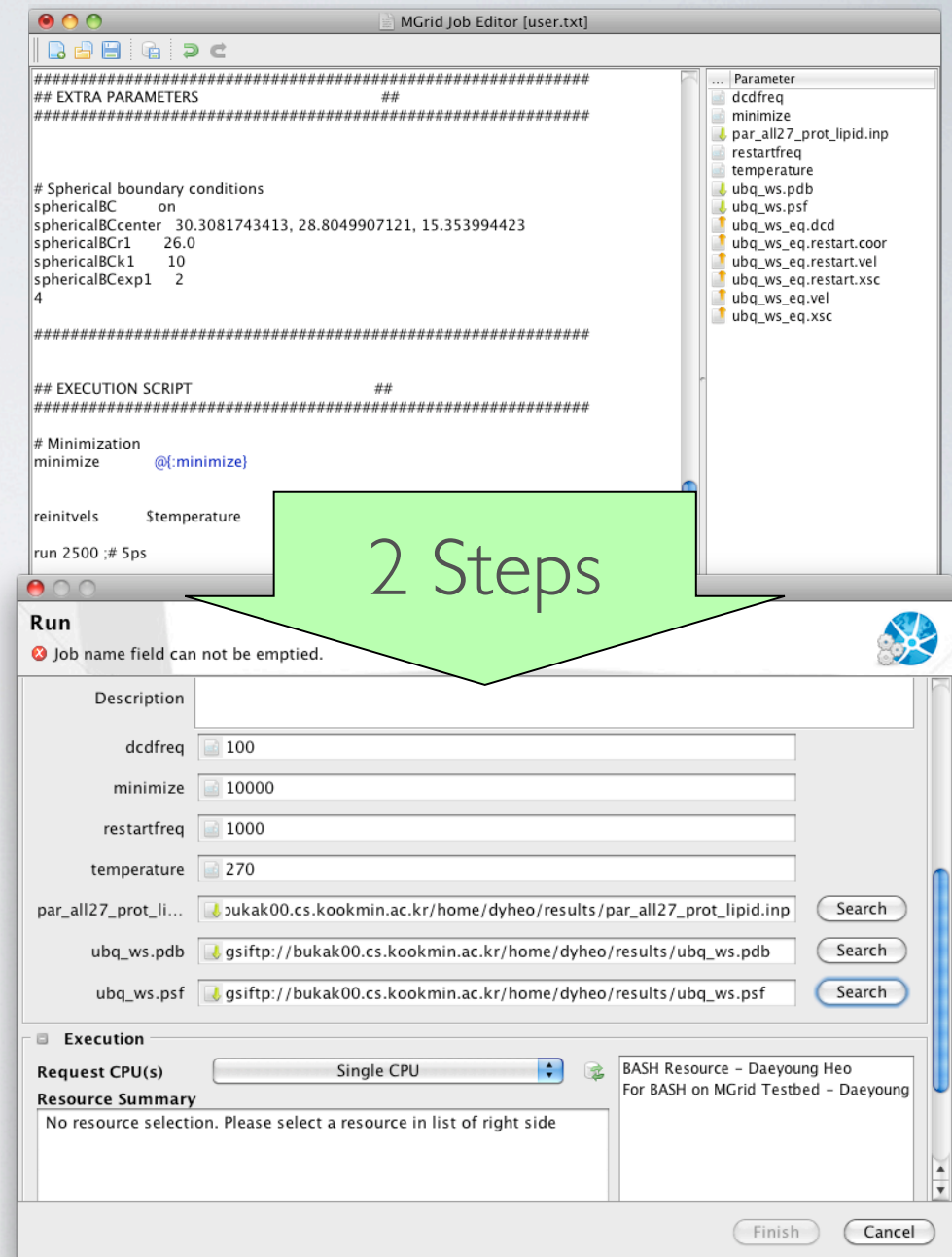
# 1. Sign-in by Certificate

2. Build and execute
3. Verifying job.
4. See workspace.
5. Create bulk simulation instances.
6. See workspace.
7. Run all instances.
8. Monitoring jobs.
9. Delegate certificate.
10. Continue monitoring on mobile device.

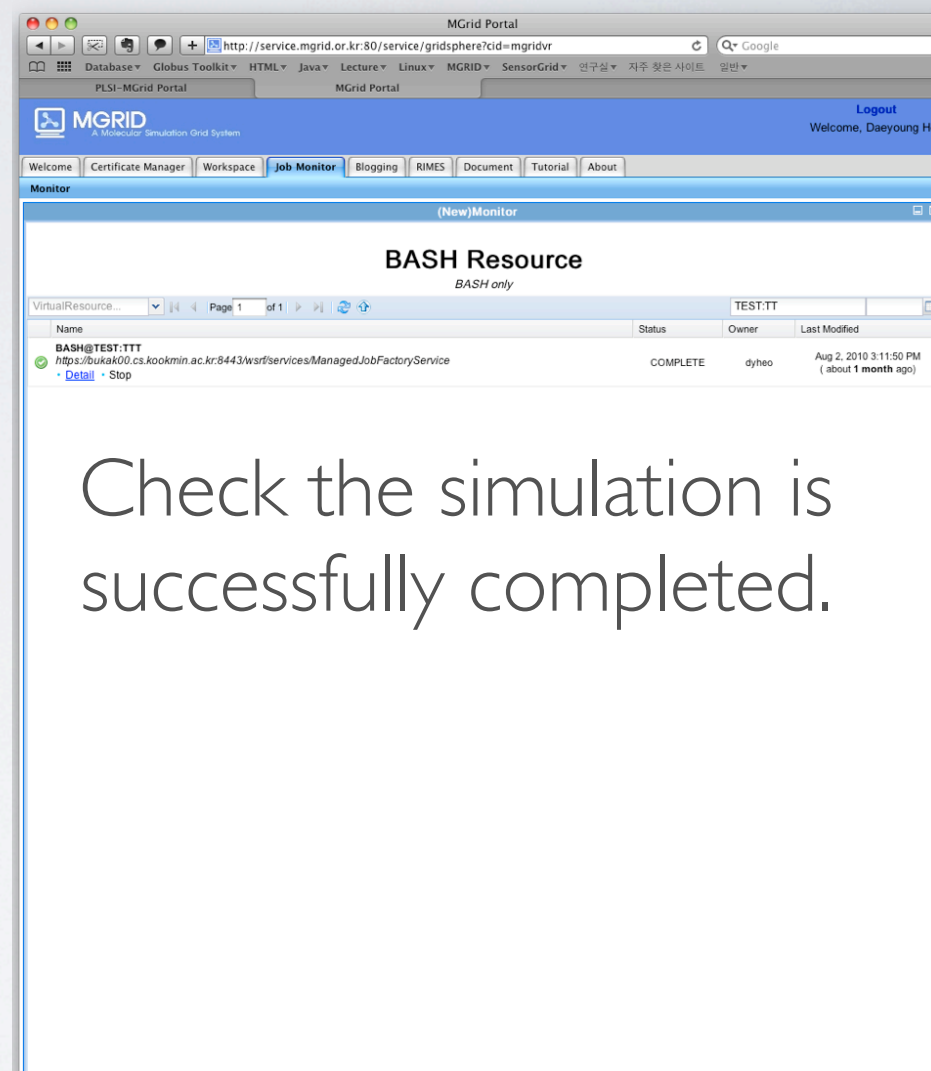




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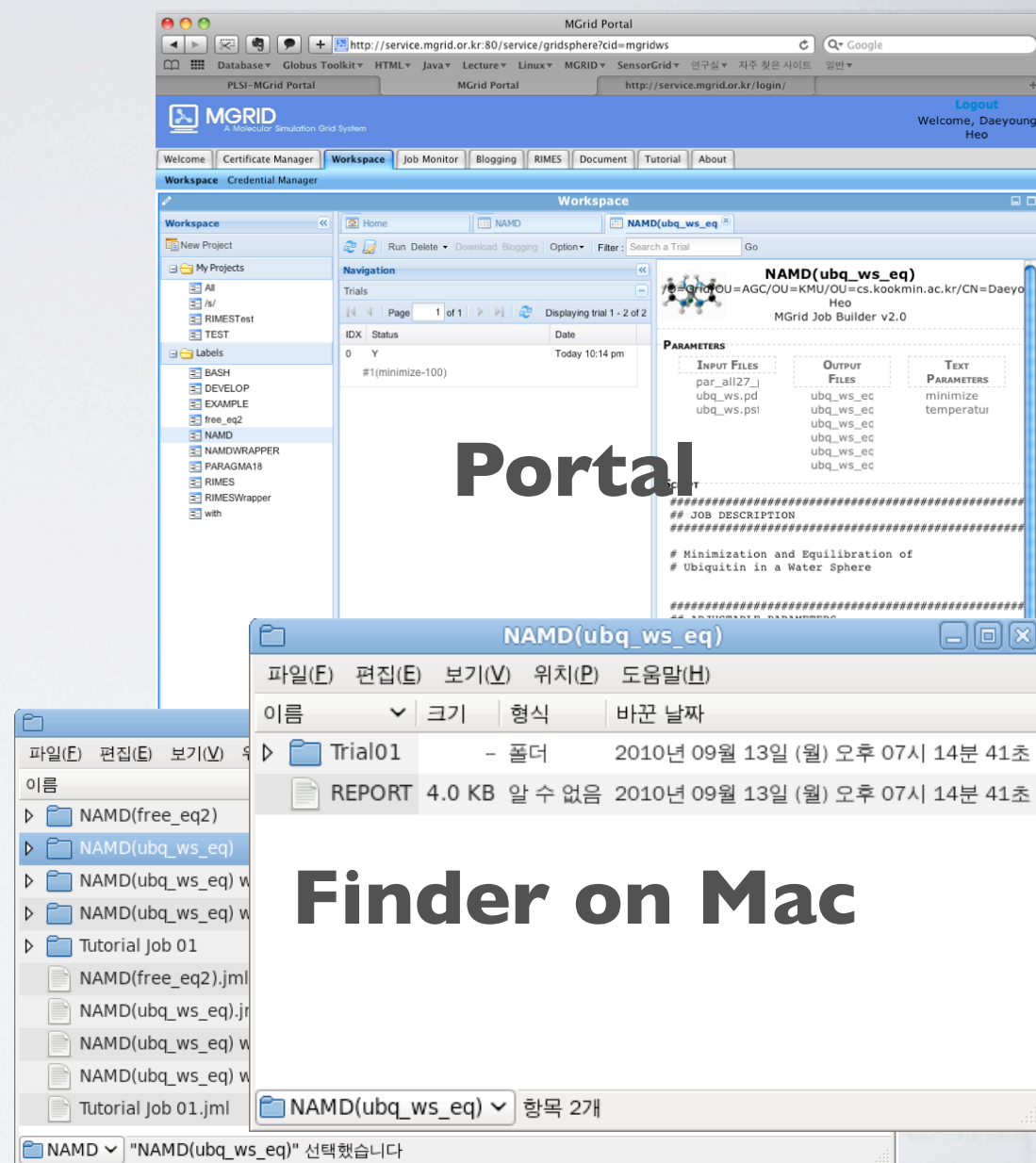


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Check the simulation is successfully completed.

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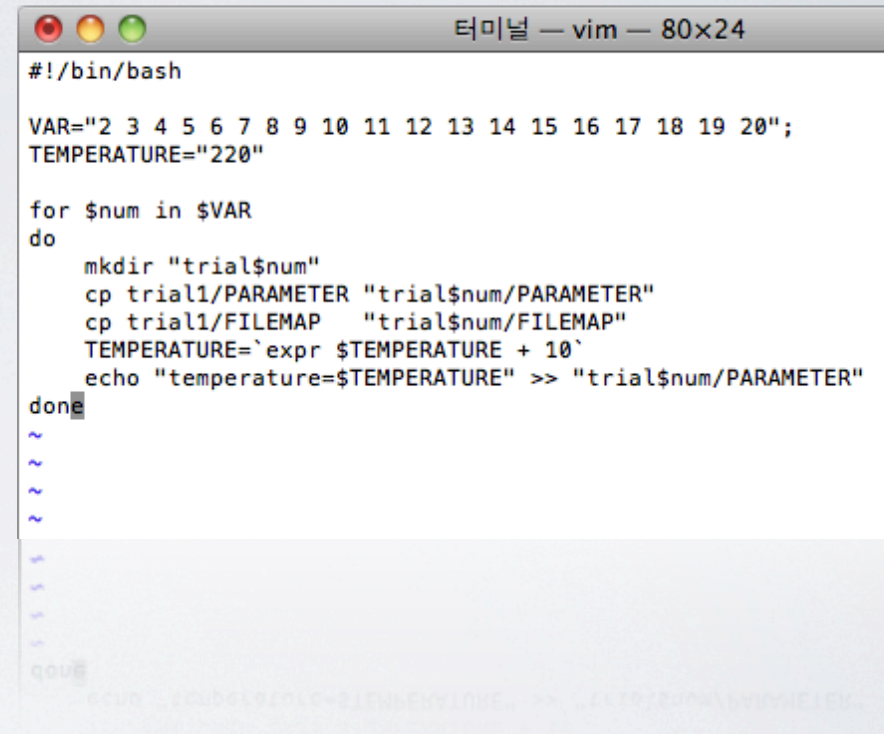




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4. See workspace.

## 5. Create bulk simulation instances.

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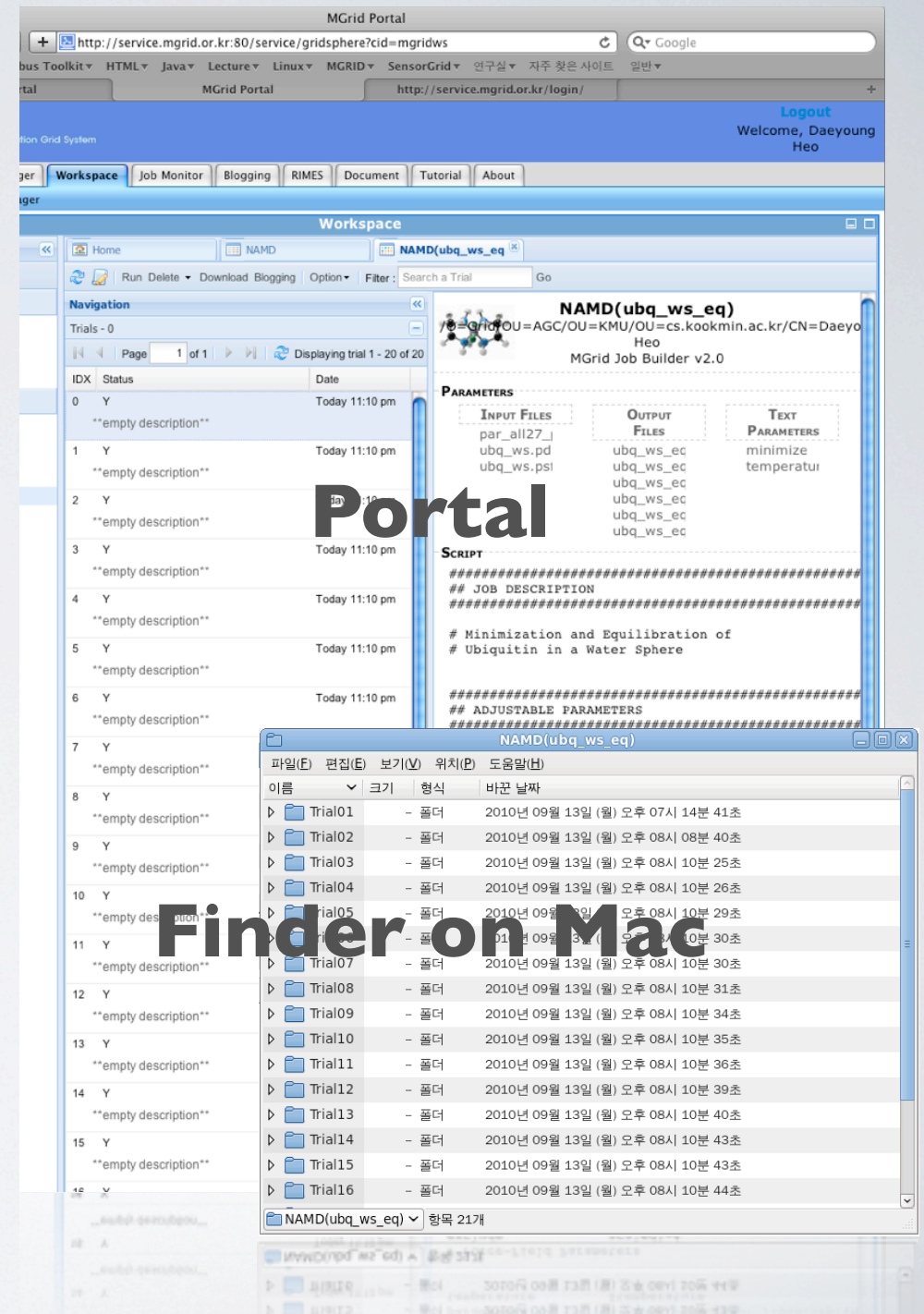


```
터미널 — vim — 80x24
#!/bin/bash

VAR="2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20";
TEMPERATURE="220"

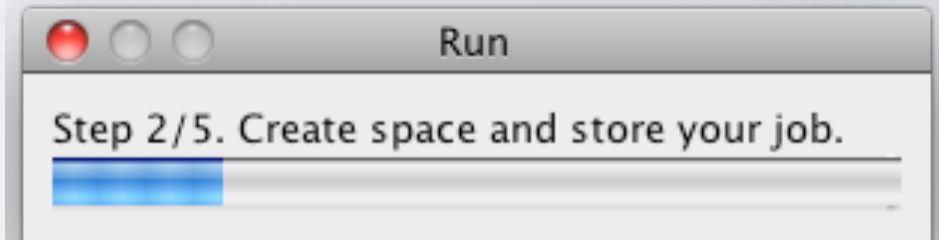
for $num in $VAR
do
    mkdir "trial$num"
    cp trial1/PARAMETER "trial$num/PARAMETER"
    cp trial1/FILEMAP "trial$num/FILEMAP"
    TEMPERATURE=`expr $TEMPERATURE + 10`
    echo "temperature=$TEMPERATURE" >> "trial$num/PARAMETER"
done
```

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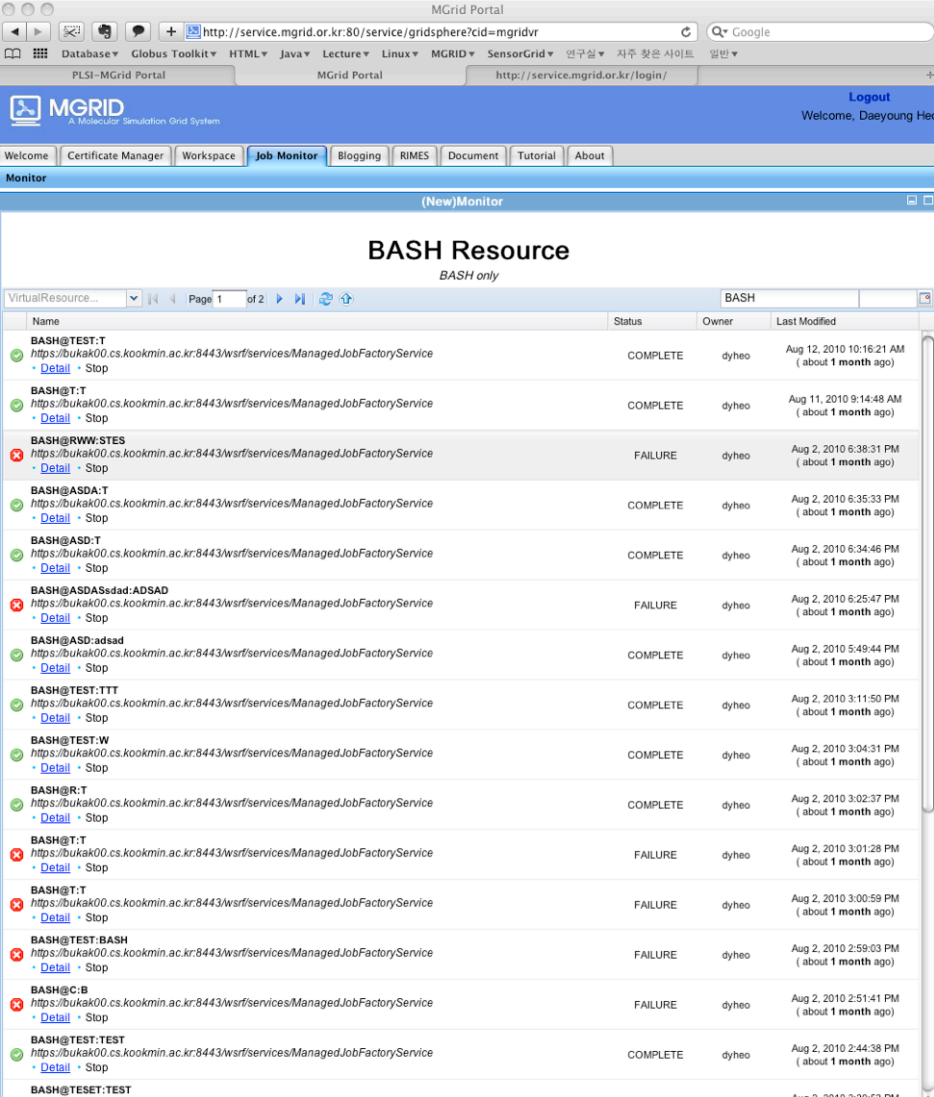


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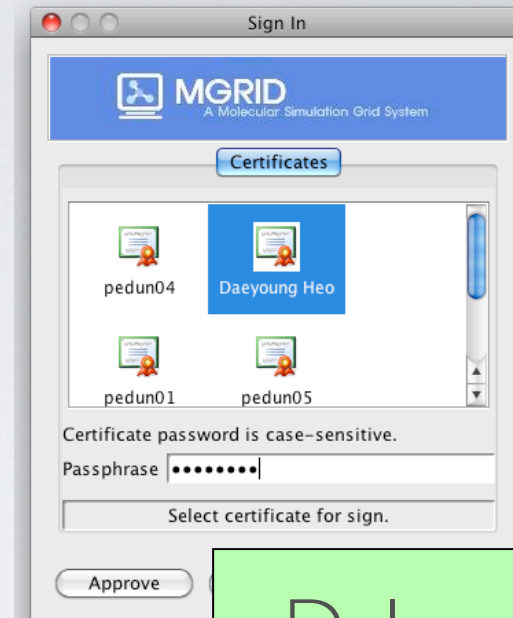
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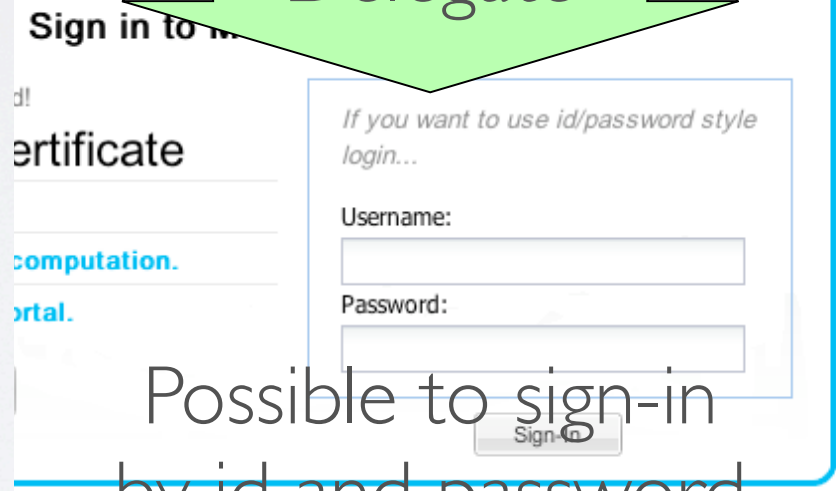
The screenshot shows the MGrid Portal interface. The top navigation bar includes links for Database, Globus Toolkit, HTML, Java, Lecture, Linux, MGRID, SensorGrid, 연구실, 자주 방문 사이트, and 일반. The main content area is titled "Monitor" and displays a table of BASH resource jobs. The table has columns for Name, Status, Owner, and Last Modified. The jobs are listed with their respective URLs, status (COMPLETE or FAILURE), owner (dyheo), and last modified time (e.g., Aug 12, 2010 10:16:21 AM).

Name	Status	Owner	Last Modified
BASH@TEST:T <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	COMPLETE	dyheo	Aug 12, 2010 10:16:21 AM (about 1 month ago)
BASH@T:T <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	COMPLETE	dyheo	Aug 11, 2010 9:14:48 AM (about 1 month ago)
BASH@RW:STES <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	FAILURE	dyheo	Aug 2, 2010 6:38:31 PM (about 1 month ago)
BASH@ASDA:T <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	COMPLETE	dyheo	Aug 2, 2010 6:35:33 PM (about 1 month ago)
BASH@ASD:T <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	COMPLETE	dyheo	Aug 2, 2010 6:34:46 PM (about 1 month ago)
BASH@ASDASdad:ADSAD <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	FAILURE	dyheo	Aug 2, 2010 6:25:47 PM (about 1 month ago)
BASH@ASD:adsad <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	COMPLETE	dyheo	Aug 2, 2010 5:49:44 PM (about 1 month ago)
BASH@TEST:TTT <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	COMPLETE	dyheo	Aug 2, 2010 3:11:50 PM (about 1 month ago)
BASH@TEST:W <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	COMPLETE	dyheo	Aug 2, 2010 3:04:31 PM (about 1 month ago)
BASH@R:T <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	COMPLETE	dyheo	Aug 2, 2010 3:02:37 PM (about 1 month ago)
BASH@T:T <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	FAILURE	dyheo	Aug 2, 2010 3:01:28 PM (about 1 month ago)
BASH@T:T <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	FAILURE	dyheo	Aug 2, 2010 3:00:59 PM (about 1 month ago)
BASH@TEST:BASH <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	FAILURE	dyheo	Aug 2, 2010 2:59:03 PM (about 1 month ago)
BASH@C:B <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	FAILURE	dyheo	Aug 2, 2010 2:51:41 PM (about 1 month ago)
BASH@TEST:TEST <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>	COMPLETE	dyheo	Aug 2, 2010 2:44:38 PM (about 1 month ago)
BASH@TESSET:TEST <a href="https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService">https://bukak00.cs.kookmin.ac.kr:8443/wsrf/services/ManagedJobFactoryService</a>			Aug 2, 2010 2:40:53 PM

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Delegate



Possible to sign-in  
by id and password  
without certificate  
for a while (ex. 7 days)



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