

# KLOE GM

*Computing status and plans*

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## Tasks to accomplish before the end of the year

- *Data migration from DataDirect to StorWize*
- *Old library TSM upgrade due to old server shutdown*
- *Shutdown of AFS account and AFS disks*
- *New Load Leveler 5.1*



## Tasks to accomplish before the end of the year

*Data migration from DataDirect to StorWize*  
*From now on, without stopping any job*

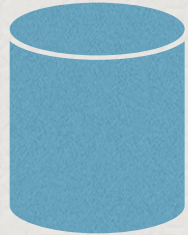
*Old library TSM upgrade due to old server replacement*  
*one week of inactivity for every tape requesting job*

*Shutdown of AFS account and AFS disks*  
*all at once without stopping any job*

*New Load Leveler 5.1*  
*two hours of empty queue is required to migrate the software level*



## DD 9900A2



*Datadirect 9900A2 A.K.A. Mongotrone*

*Others 6 blocking faults last 6 months*

*Program of replacement: 500 TB instead 800TB*

*From the new 5030 StorWize upgrade: 400TB*

*From DS5100 old online array: 100 TB*

*Data migration is ongoing for recalled areas*

*...and for datarec area we have planned  
non blocking migration after the recalled area one.*



## Tape library IBM 3494

*It has been working since 1999 without interruption*

*This year IBM has refused to keep it under  
maintenance contract*

*Also the spare parts market is running out the  
components of this tape library that entered into  
the market before the 1990.*



## Tape library IBM 3494

*Now we are migrating the servers that manage the library in new technology servers, as referees requested last year, to reduce the maintenance fee.*

*But, we have to think about a long term solution, like move everything into the new tape library.*

*The new tape library has 1100 empty cartridge slots and with 300 new technology cartridges we could seat up all data from old library.*



# AFS migration to GPFS

USERID	NAME
<b>adesanti</b>	<b>Antonio De Santis</b>
<b>babusci</b>	<b>Danilo Babusci</b>
<b>berlowsk</b>	<b>Marcin Berlowski</b>
<b>bloise</b>	<b>Caterina Bloise</b>
<b>bocau</b>	<b>Bo Cao</b>
<b>curciare</b>	<b>Francesca Curciarello</b>
<b>czerwins</b>	<b>Eryk Czerwinski</b>
<b>dicicco</b>	<b>Alessandro Dicicco</b>
<b>eperez</b>	<b>Elena Perez Del Rio</b>
<b>erika</b>	<b>Erica De Lucia</b>
<b>gajos</b>	<b>Alexander Gajos</b>
<b>gauzzi</b>	<b>Paolo Gauzzi</b>
<b>kaminska</b>	<b>Daria Kaminska</b>
<b>kxiaolin</b>	<b>Kang Xiaolin</b>
<b>moricc</b>	<b>Dario Moricciani</b>
<b>rakoczy</b>	<b>Rakoczy</b>
<b>santangelo</b>	<b>Paolo Santangelo</b>
<b>selce</b>	<b>Andrea Selce</b>
<b>silarski</b>	<b>Michal Silarski</b>

*19 GPFS users*

*215 AFS users*

Are everybody here?



## AFS shutdown

*AFS Shutdown planned for 31 December 2018*

**fibm11, fibm12 and fibm15** will be the interactive machine for GPFS and Load Leveler submitters

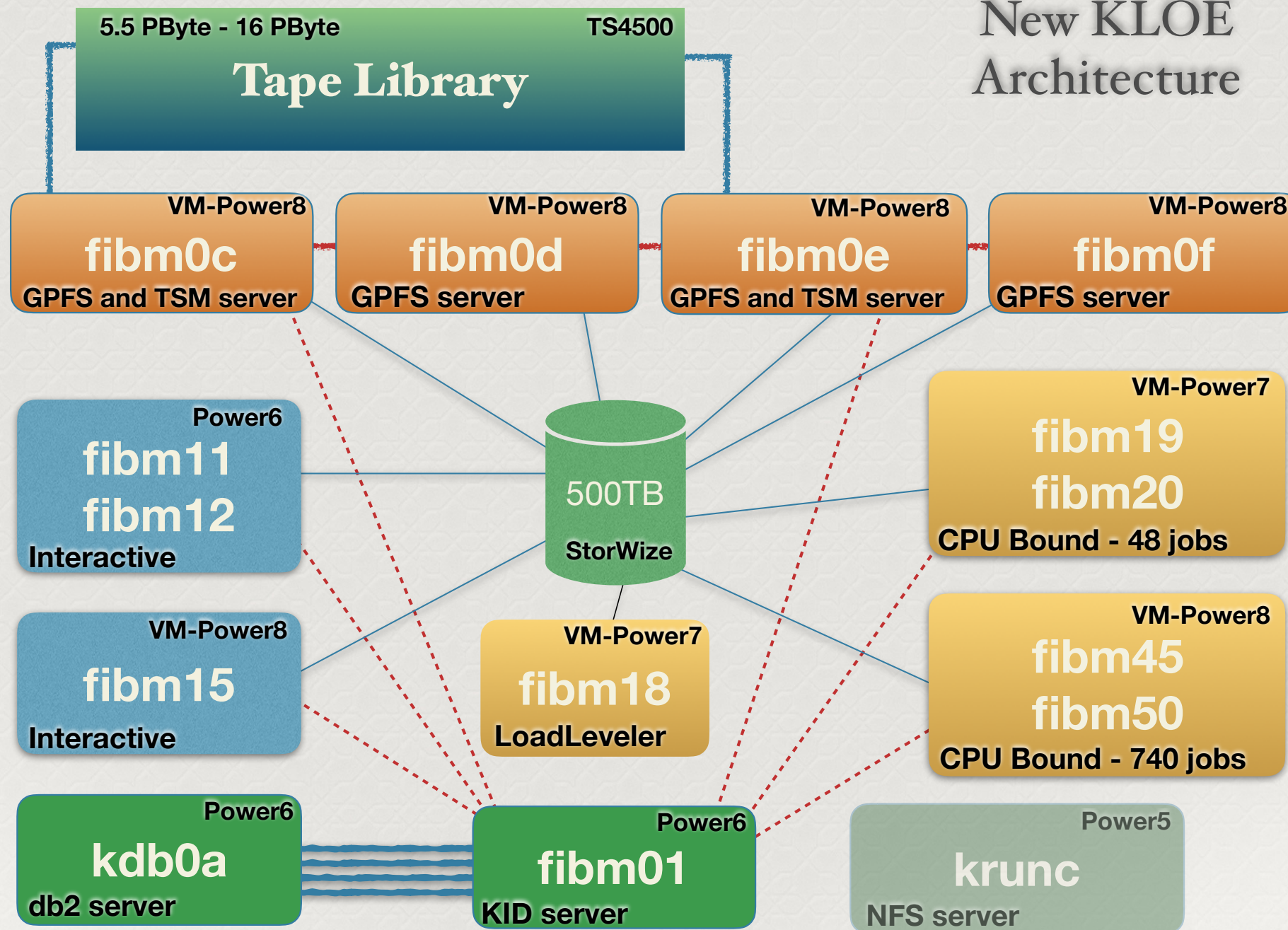
**fibm18** will be the Load Leveler Central Manager

**fibm19-20** the old online machine based on Power7 will be secondary CPU Bound server

**fibm45-50** are the machines based on Power8 and primary CPU Bound servers



# New KLOE Architecture





Thank You!