



# New components of the information-software environment of the heterogeneous cluster HYBRILIT

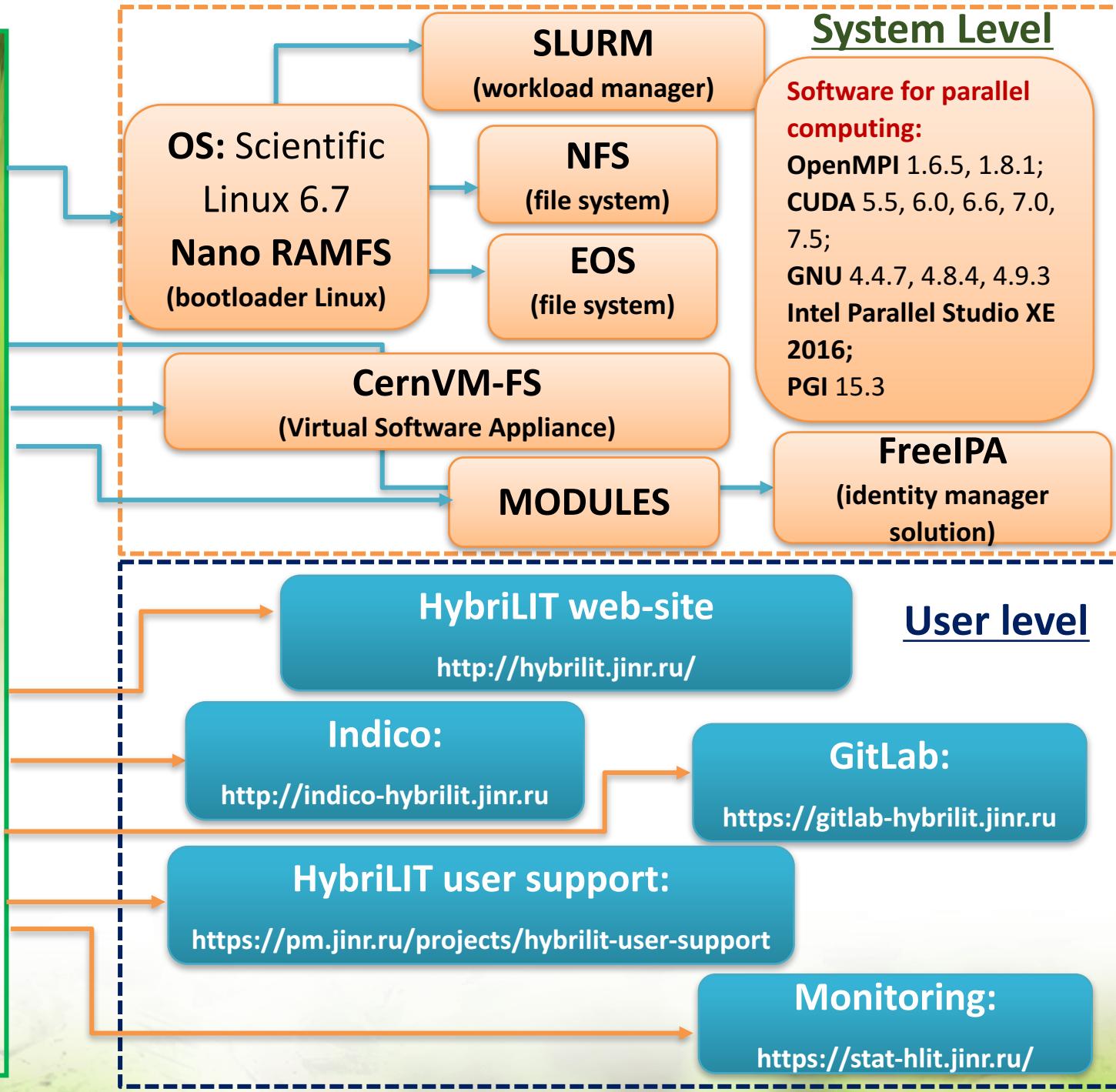
Torosyan Shushanik  
on behalf of the  
**Heterogeneous Computation Team HybriLIT**  
Laboratory of Information Technologies, JINR

*Dubna*  
*June 12-18, 2017*

**Heterogeneous Computation Team, *HybriLIT***

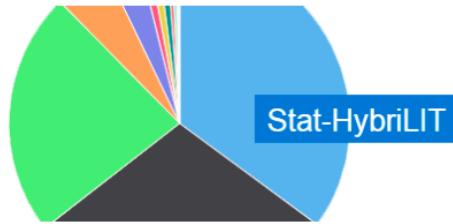
# HybriLIT

*Software and Information Environment*



# New updates in the structure of the services

Stat-HybrILIT



*Stat-HybrILIT - a web-service for information support of users of the heterogeneous cluster "HybrILIT".*

MobiLit



*MobiLit - a native Android (iOS asap) mobile application for users of the HybrILIT HPC cluster.*

Cloud&HPC ASP



*Cloud&HPC\_ASP - a new service for sharing applied program packages*



*Mattermost - a new online chat space for HybrILIT users*

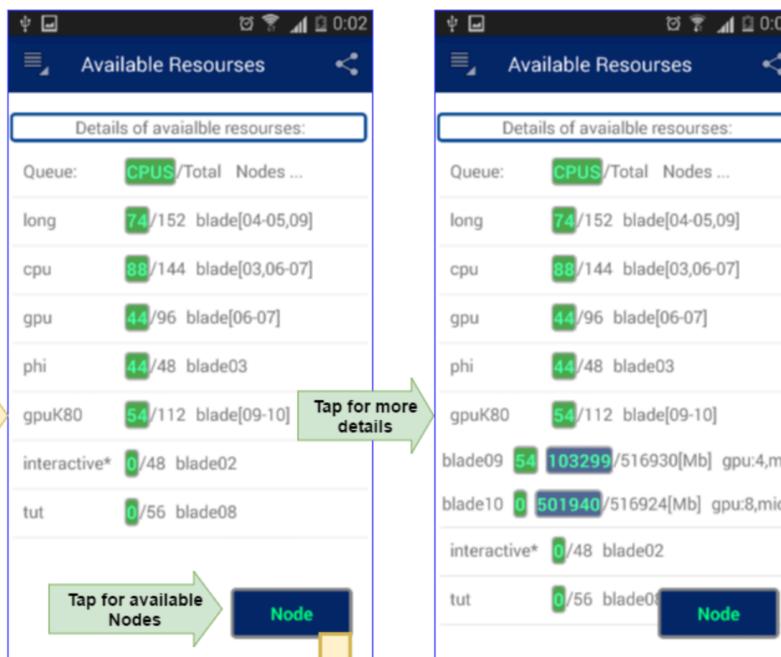


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# MobiLIT

drawit diagram



Available  
54 CPU-core  
out of 112

Tap for more  
details

Tap for available  
Nodes

Node

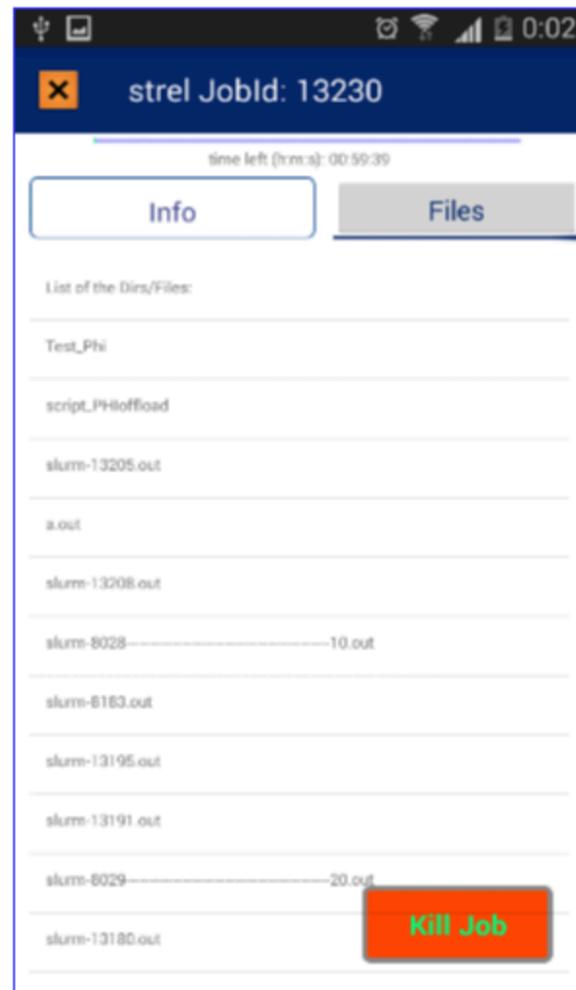
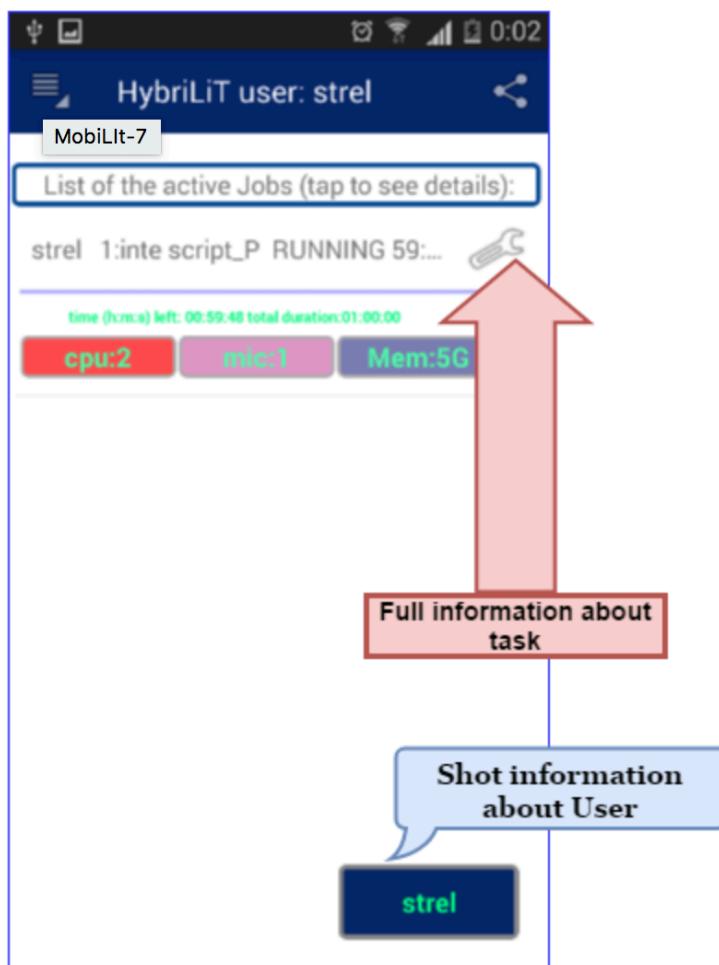
HybriLiT: All active jobs				
		Search		
guest				
strel	1:inte script_P	PENDING	1:00:00	
strel	1:inte script_P	PENDING	1:00:00	
strel	1:inte script_P	PENDING	1:00:00	
strel	1:inte script_P	PENDING	1:00:00	
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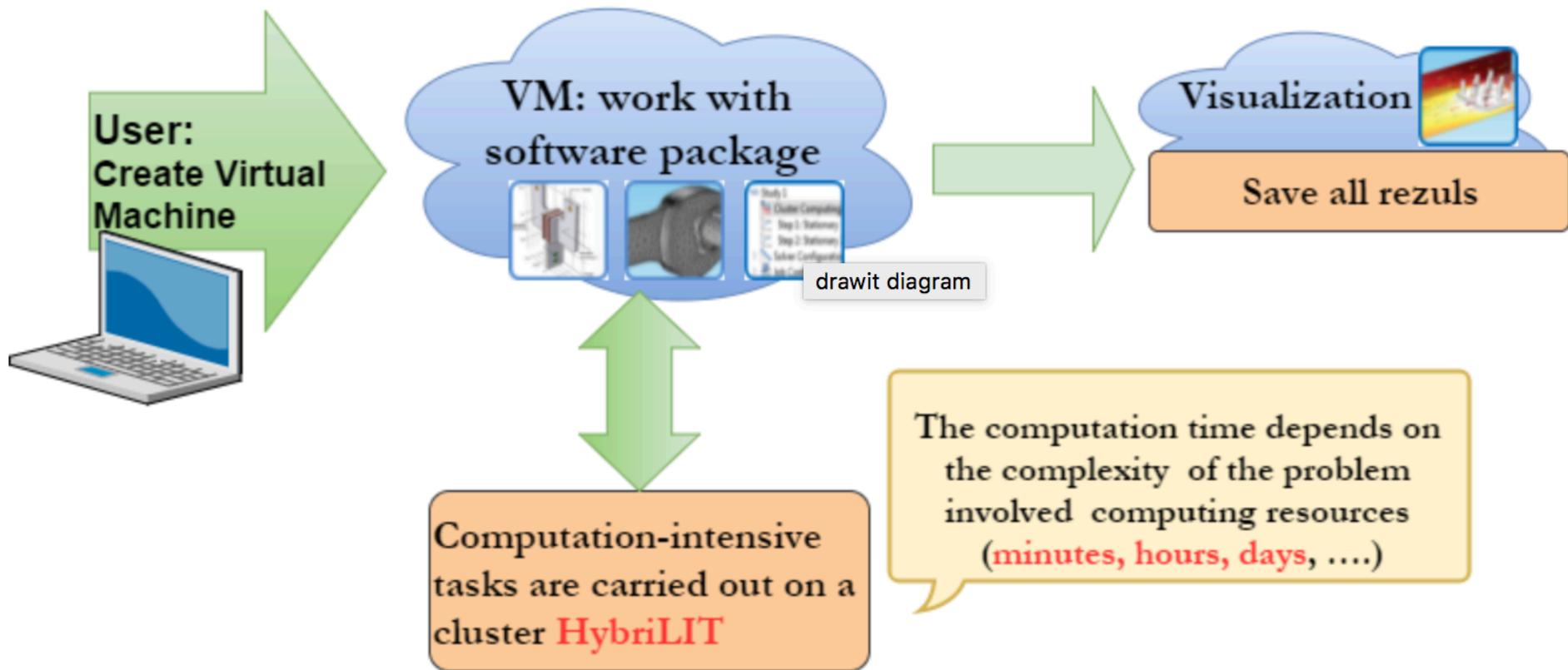
# MobiLIT



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# Cloud&HPC\_ASP



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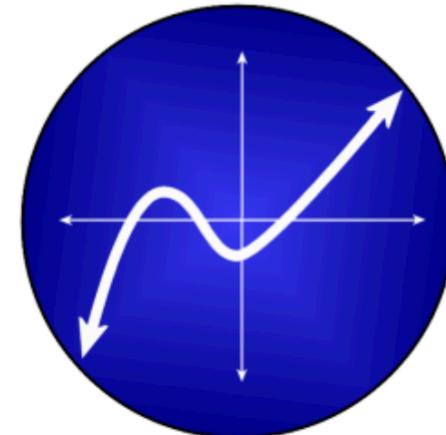
# Cloud&HPC\_ASP



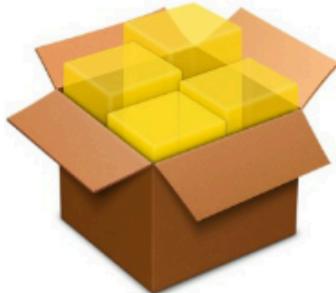
User-friendly interface for creating Virtual Machines (VM)



Monitoring of available resources,  
licenses, etc.



Setting geometry using graphic user interface (GUI)



Using applied program packages  
in VMs



Computations within VMs & on the HybriLIT cluster



Saving data between sessions



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# Mattermost – online chat



You have one new message.

CHANNEL:

mvala - 12:40 MSK, February 1

0.115

Go To Post

@shusha  
Hybrilit



CHANNELS



hlit-user-support

Off-Topic

Town Square

More...

PRIVATE GROUPS



DIRECT MESSAGES

amayorov

mvala

ybutenko

More...



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# Thank you for attention



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