

# Suparikshan

## [NSM System Software Product]

**Deepika H V & Vishal R**  
**SSDG, C-DAC, Bengaluru**

# PARAM Software Stack

HPC Programming Tools	Performance Monitoring	HPCCC	IMB/OSU	IOR	HPCG	C-DAC Tools IDE CAPC	
	Visualization Tools	Ferret	GrADS	ParaView	Visit/ VMD		
	Application Libraries	NetCDF/ HDF/ etc.	Math Libraries	Python Libraries	GNU Scientific Library		
	Development Tools	Intel Cluster Studio	GNU	CUDA Toolkit/ OpenACC			CHReME
	Communication Libraries	Intel MPI	MVAPICH2	Open MPI	PGAS		
Middleware Applications and Management	Cluster Monitoring/ Help Desk	Ganglia	C-DAC Tools	Nagios	XDMoD	osTicket	C-DAC Tools SuParikshan
	Resource Management/ Scheduling/ Accounting	SLURM		SLURM Accounting			SUM
	Provisioning	OpenHPC (xCAT)					HPC Tasks Automation Scripts
	File System	NFS	Local FS (XFS)	Lustre	GPFS		
Operating Systems	Drivers	OFED	CUDA	Network & Storage Drivers			Cluster Checker Scripts
	Operating System	Linux (CentOS 7.x)					Cluster Checker Scripts

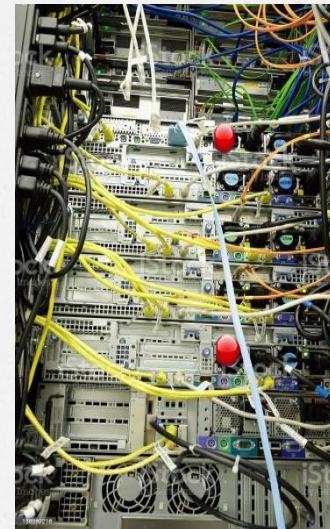
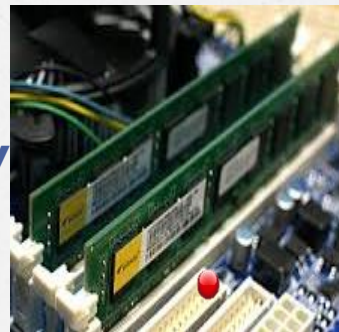


**SUPARIKSHAN**





**Memory**



**Network**

# SUPERIKSHAN

- **Assist Administrators & Managers**
- **Low Footprint software**
- **Automatic error identification & assists in fixing of issues**



**Monitoring , Managing & Accounting**



# Demo







# Thank You

**Email : [nsmss@cdac.in](mailto:nsmss@cdac.in)**

