doitnow

www.doit-now.tech

Welcome to the next stage of High Performance Computing

The European alliance that brings HPC services to a higher level

Installation Services

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INFRASTRUCTURE INSTALLATION

Do IT Now carries out **the installation of computer clusters** paying attention to all the details that make up the solution. We work in a structured way, label and generate documentation about the installation thinking about its later maintenance, since we know the inherent problems in supporting a badly installed and wired system. Our experience in this field leads us to save time and money in the future maintenance of the equipment.
Do IT Now makes available to its Clients the advanced capabilities of its service engineers in the installation of hardware in the Data Processing Centre.

CLOUD

Do IT Now also accompanies its Clients on their **journey to the Cloud.** With strong partnerships with leading Cloud providers and highly qualified and certified people, we help our Clients to identify which workloads are suitable for the Cloud and how they can be moved. We then compare them and validate their technical and operational feasibility, before moving on to the production of bespoke "HPC in the Cloud", taking into account data movement and computing needs in a single or multi-cloud environment.
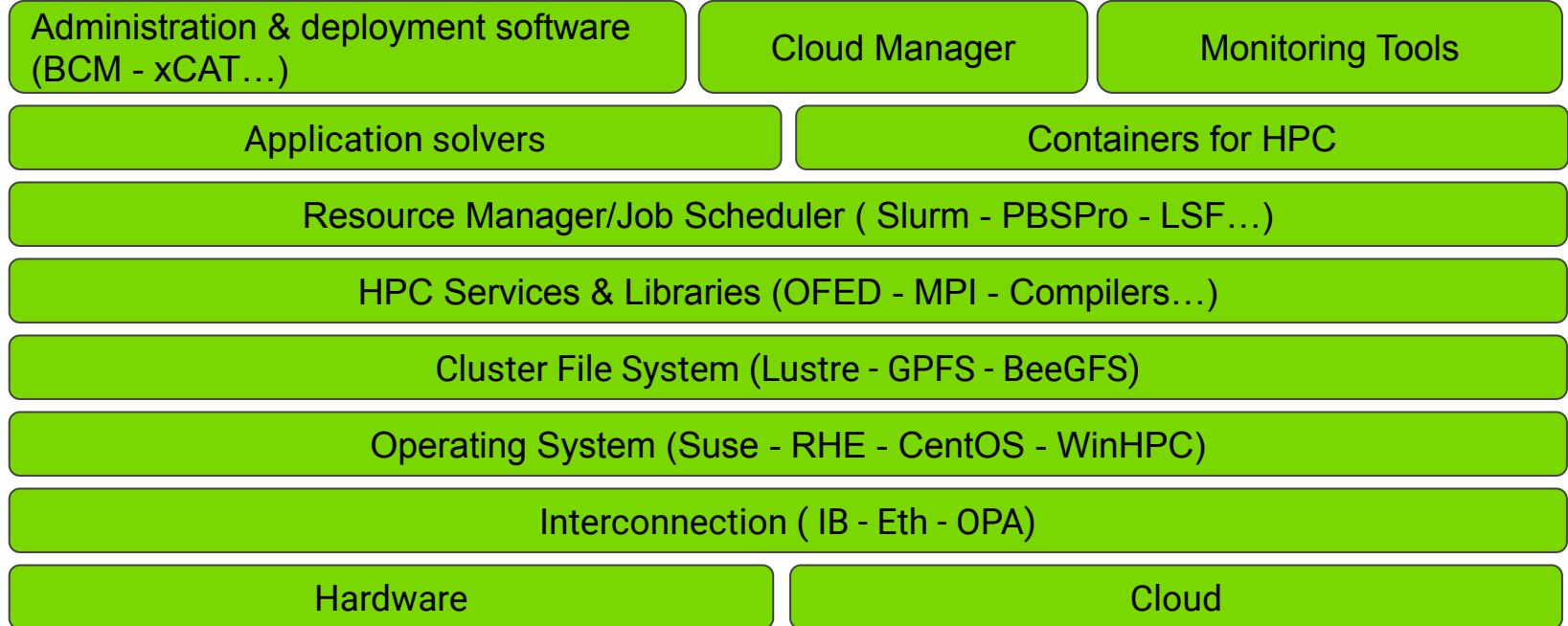
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SW INSTALLATION

Do IT Now performs **the installation of the software** necessary for the correct functioning of an HPC system, from the OS to the end user application. We carry out the installation and optimisation of scientific and engineering applications in any computer system. In the case of open source applications, we take special care to compile them with the most efficient tools, mathematical libraries and compilation options. For commercial applications, we leverage our 30 years of experience to optimize the runtime configuration and achieve the best performance.
We are able to improve the performance and scalability of any scientific and engineering software on a specific architecture by optimising the application.

HPC Infrastructure Stack

| Administration & deployment software (BCM - xCAT…) | Cloud Manager | Monitoring Tools |

| Application solvers | Containers for HPC |

Resource Manager/Job Scheduler (Slurm - PBSPro - LSF…)

HPC Services & Libraries (OFED - MPI - Compilers…)

Cluster File System (Lustre - GPFS - BeeGFS)

Operating System (Suse - RHE - CentOS - WinHPC)

Interconnection (IB - Eth - OPA)

| Hardware | Cloud |

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TRAINING

Do IT Now offers various training opportunities focusing on a variety of topics to support engineers and researchers in using an HPC solution in the most efficient way. Over the last 30 years, we have acquired extensive experience in the tools for configuring, managing and using the most advanced supercomputing systems. **Do IT Now makes its knowledge available to its Clients** through a wide range of consulting services and specialised training paths.

Our courses are divided into various training modules that can be configured according to the needs of the Client, who can organise - together with us - a course à la carte. The training courses can be online and/or in person, and a full virtual testing environment is provided, which can be used later on after the course has been completed.

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Thank you

Contact us:
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