VURM w/ remotevirt provisioner ClientNode ControllerNode PhysicalNode SLURM SLURM binary protocol binary protocol over tcp/ip over tcp/ip <<component>> <<component>> VirtualNode SlurmController 卽 <<component>> <<component>> <<component>> Slurmd <<artifact>> scontrol scontrol VURM configuration file 卽 <<component>> <<component>> <<component>> IP address sender <<artifact>> valloc VurmController VURM private key AMP protocol ₾ <<artifact>> <<component>> <<component>> over tcp/ip VURM public key 割 <<component>> RemotevirtProvisioner vrelease AMP protocol VurmdLibvirt over tcp/ip <<artifact>> SLURM configuration file <<artifact>> <<artifact>> Configuration file SLURM configuration file libvirtd protocol (unix, ssh, tcp) <<artifact>> VURM configuration file raw tcp (line based) on the host side. <<artifact>> NFS raw serial Domain description file <<component>> port on the Libvirt domain side Components with this background <<component>> are provided by third party libraries KVM/QEMU (mainly SLURM and Libvirt). Shared storage location Artifacts and components with this <<artifact>> <<artifact>> background have to be provided Disk image Clone 0 by the user (mainly configurations and runtime assets). <<artifact>> Components with this background Clone 1 are provided by the VURM library. <<artifact>> Clone n Artifacts with this background color and dashed borders are generated at runtime as needed.