



Drut Software Platform (DSP)

Key Benefits

Create and Manage:
VMs for compute and storage

Infrastructure Bundle:
DSP can deliver OS of choice to bare metal nodes

Cloud Platform Bundle:
Virtual machine or container environment with virtualized storage

Workload Bundle:
Workload deploy

Elasticity: The ability to enlarge or reduce infrastructure according to the changing needs of environment in seconds.

Automation: Drut Technical team helps customers automate and move to adopt open-source software.

White Glove Service
On-prem fully managed cloud, hand off the right tools to your IT staff.

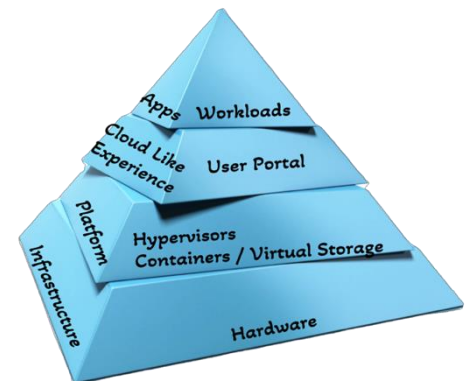
The Drut Software Platform (DSP) is a full stack on-prem private cloud infrastructure and platform-as-a-service software solution that allows you to offer cloud-like services and automation to end-users. It is a multi-layered solution anchored by the DSP, which consists of a collection of open-source software services that are used to curate a standards-based environment for next-generation cloud services.

Drut sells and supports this software stack as three independent software bundles as part of a managed service offering, which are built for you to own, and we assembled the DSP in a way to avoid vendor and managed service lock-in. The flexibility provided by these solution bundles allow you build your own private cloud infrastructure tailored to your applications and allows you to maintain control at the level that you are comfortable with increasing control as you train your staff.

What Does the DSP Do?

The DSP provides on-prem, cloud like infrastructure management in a way that allows infrastructure to be easily re-configured, re-balanced and re-deployed. It is everything you want in a public cloud environment but located in your private data center.

The key concept carried through all our product offerings, is to always maintain fluid resources at multiple layers, not just at the hardware layer, all the way up the software stack.



The DSP allows you to have an on-prem private cloud, whether in a colo or on-site data center and it enables a data driven environment to facilitate the correct amount of CAPEX and OPEX on infrastructure by closing the loop with data gathering and correlation capabilities. The DSP operates your infrastructure management network. It builds your

Ordering Information

The Drut Software Platform (DSP) can be purchased from Drut or in conjunction with new infrastructure hardware from one of our partners.

The DSP is currently offered as a set of software packages that requires installation and managed services from Drut.

Service migration for Ceph, K8s and Openstack are also available. There is a one-time charge for service setup, configuration, and migration of existing deployments to the new platform. Once complete, the system is turned over to the IT staff for operational use, while being managed by Drut.

Drut technical support is available for DevOps and deployment of new services.

bare metal private cloud. It loads the server OS and deploys a variety of software stacks from K8s clusters, virtualization stacks, operating systems and applications of your choice.

DSP Capabilities (Today)

Today, the DSP supports the following capabilities:

- **Drut Software Platform (DSP)** - Designed for the enterprise, composed of a suite of open-source software stacks and services intended to deliver on prem cloud like environment. It is deployed as infrastructure-as-a-service (IaaS) for on-prem private clouds.
- **Open Source Starting Point:** Can be deployed independent of Drut's Photonic Fabric and Hardware as a starting point
- **Drut Metal as a Service (MaaS)** – Self-service, remote installation of Windows, CentOS, ESXi and Ubuntu on real servers turns your data center into a bare metal cloud.
- **OpenStack** - Cloud Infrastructure for Virtual Machines, Bare Metal, Containers with Ceph support
- **Juju Framework** - Deploy, integrate and operate applications and infrastructure - across any substrates (e.g. Kubernetes, VMs, or bare metal) - on private clouds
- **Kubernetes (K8S)** – Production Grade Container Orchestration
- **Ceph** – Virtual and distributed storage for your virtual machines and containers

The DSP can be purchased ‘a la carte’ or as bundles on a per node (i.e. server) basis with a life-time RTU option and one or three year support and managed service agreement. Support and platform enhancements are offered as part of an annual support agreement. The right to use option can be converted into a do-it-yourself service, in order for you to take back full ownership of your private cloud. Contact Drut for the latest Bundle offerings.

A la Carte Product Ordering Codes

Product Code	Product Name	Unit
Core SaS Products		
DRT-SAS-DSP-BM-RTU-1	Drut Software Platform SaS- Bare Metal One Year RTU	per Node
DRT-SAS-DSP-PRO-1	Drut Software Platform SaS- Premium One Year RTU	per Node
DRT-SAS-DFM-BM-RTU-1	Drut Fabric Manager SaS- Bare Metal One Year RTU	per Node
DRT-SAS-DFM-PRO-1	Drut Fabric Manager SaS- Premium One Year RTU	per Node
Feature SaS Products		
DRT-SAS-OPTION-CEPH-1	Drut SaS Feature-One Year CEPH Add-on	per Node
DRT-SAS-OPTION-KBS-1	Drut SaS Feature-One Year Kubernetes Add-on	per Node
DRT-SAS-OPTION-OS-1	Drut SaS Feature- One Year OpenStack Add-on	per Node
Managed Services		
DRT-SRV-MGMT-DSP-1	Drut Managed Services for Drut Software Platform- One Year	per Node
DRT-SRV-MGMT-DFM-1	Drut Managed Services for Drut Fabric Manager- One Year	per Node
DRT-SRV-MGMT-CEPH-1	Drut Managed Services for CEPH- One Year	per Node
DRT-SRV-MGMT-KBS-1	Drut Managed Services for Kubernetes- One Year	per Node
DRT-SRV-MGMT-OS-1	Drut Managed Services for OpenStack- One Year	per Node
Software Configuration and Migration Services		
DRT-SRV-DSP-CONFIG	Install, configuration, and migration for DSP	per New Install
DRT-SRV-DFM-CONFIG	Install, configuration, and migration for DFM	per New Install
DRT-SRV -CEPH-CONFIG	Install, configuration, and migration for CEPH	per New Install
DRT-SRV-KBS-CONFIG	Install, configuration, and migration for Kubernetes	per New Install
DRT-SRV-OS-CONFIG	Install, configuration, and migration for OpenStack	per New Install
Add- On Professional Services		
DRT-SRV-ONSITE-US	Onsite Professional Servies- Domestic US	per Day
DRT-SRV-ONSITE-GLOBAL	Onsite Professional Servies- International	per Day
DRT-SRV-REMOTE	Remote Professional Services	per Day

Frequently Asked Questions (FAQ)

Q: What services are offered as part of the installation service?

A: Installation and configuration of the DSP supported packages, and migration for existing workloads and storage. Network connectivity to existing core infrastructure if present. Once complete, training of IT staff is given to enable them to self-manage their virtual machine and container infrastructure.

Q: What services are offered as part of the managed service?

A: Pro-active monitoring of all infrastructure services, bug fixes and software upgrades applied as per maintenance agreement, daily dashboard reports.

Q: Is Drut's photonic fabric required to use the DSP?

A: No. The DSP does lay the foundation for software orchestration support for ML and AI workloads, but the DSP can be used in stand-alone format to provide IaaS for private clouds.

Q: Can Drut's photonic fabric be added later?

A: Yes.

Q: If we add workloads, does the annual cost increase?

A: No. It is a linear cost model and you own the hardware of your choice, and can update the hardware. We can recommend hardware and help you source hardware from our preferred vendors, but the DSP annual cost is directly correlated with the number of nodes and you can use them all you want.

Q: Can we contact Drut to help with deploying new open-source packages or ask for support of new services?

A: Yes, we are here to take the journey to open source on your hardware with you.

Q: If after a year or two, can we just take over the infrastructure and operate it ourselves?

A: Yes.