Understanding Docker Registries

	Docker Registry Core registry service	Docker Trusted Registry Private registry service	Docker Hub Cloud registry service
About	Enables image distribution for "do it yourself" teams who want to custom build a private registry Key ingredient in Trusted Registry and Hub for image distribution	Docker packaged image distribution, management and collaboration solution that plugs into your infrastructure	Docker hosted and managed (SaaS) image distribution, management and collaboration solution
Ideal for	Do it yourself teams	Enterprises and organizations with security and compliance requirements to keep IP within corporate firewall.	Small teams looking for development agility without the burden of managing tools
Deployment	Anywhere you choose: on-premises, cloud, VPC	Anywhere you choose: on-premises, cloud, VPC	SaaS - hosted and managed by Docker
User Interface	CLI	Web admin UI for system health, configuration and management End user UI to search and browse repos	Web admin UI to configure users/orgs and permissions End user UI to search and browse repos
Installation and Configuration	CLI based deployment and configuration with APIs for storage drivers, auth and logs	One click install and upgrade Web UI configuration for storage, trust, LDAP/AD, storage, garbage collection, repo permissions High availability configuration	No installation required Some configuration available for users/orgs and permissions

	Docker Registry **Core registry service**	Docker Trusted Registry **Private registry service**	Docker Hub **Cloud registry service**
User Management	External support for auth	LDAP/AD integration Users and Organizations Role based access control	Users and Organization Role based access control
Image Management	Support for image signing (requires dedicated Notary server deployment)	Integrated image signing and validation Manage access to image repos Delete image tags Garbage collection	Support for image signing Manage image repos
System Management	API support for external monitoring and logs	Integrated monitoring and logs in web UI Log aggregator allows for pushing data to external systems for analysis	N/A
Integration to Docker Platform	Supported in Docker Cloud's "Bring your own Registry"	Integrated with Universal Control Plane part of Docker Datacenter	Natively integrates to Docker Cloud but available as separate subscription Works with Docker Engine open source and commercial support
Support	**Open Source** GitHub, IRC	**Commercial support** with 12 or 24 hour coverage and service levels	**Email support** with best effort service level
Availability and Price	Open Source	Available in the Docker Datacenter Subscription	Available as private repo subscription

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