DeployStudio

Up and running in 60 minutes
DeployStudio

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Download

www.deploystudio.com

http://deploystudio.com/News/News.html

• Has current and archived versions of DeployStudio.

http://deploystudio.com/Nightly/Nightly.html

• Only recommended for testing environments, unless a specific fix is listed that applies to your production environment.
Installation
Mount the Disk Image (DMG) that was downloaded. Run the DeployStudio Server install package.
OS Configuration

Deploystudio user account

Local user account used for AFP share access to the repository.
Create a folder at the root of the drive called "DeployStudio." Optionally change the folder icon by copying from the DeployStudio Admin app.
OS Configuration

DeployStudio AFP share

Grant the "deploystudio" user Read & Write access, and enable the AFP share.
Configuration
DeployStudio Assistant
DeployStudioServer is not running on this computer

Click on the Start button if you want this computer to host the DeployStudioServer daemon.

Set up a DeployStudio Server
Set up DeployStudio PC on this computer
Create a DeployStudio NetBoot set
Create a DeployStudio bootable external drive (Thunderbolt, Firewire & USB)
Welcome to DeployStudio Assistant

In a few steps, you can set up a remote DeployStudio server, create a DeployStudio NetBoot set for network deployments and configure DeployStudio PC (if installed).

Do you want to:
- Set up a DeployStudio Server
- Set up DeployStudio PC on this computer
- Create a DeployStudio NetBoot set
- Create a DeployStudio bootable external drive (Thunderbolt, Firewire & USB)
Welcome to DeployStudio Assistant

Please select a DeployStudio Server from the list or type its network address.

If you are configuring the server for the first time, any user defined in the server's bound directories can be used for login.

Click on Continue to log in.

Server address: http://localhost:60080

User name: deploystudioadmin

Password: **********
Welcome to DeployStudio Assistant

DeployStudio supports a basic master–replica topology. It allows you to create local replicas of your central DeployStudio Server to balance the load across multiple locations or improve the service redundancy.

In order to configure a replica, make sure your master DeployStudio Server is up and running.

Do you want to setup:
- a master
- a replica

Home  Go Back  Continue
Welcome to DeployStudio Assistant

DeployStudio requires a repository to store and retrieve disk images, packages, scripts and configurations.

Use a local folder as repository if you are installing DeployStudio on an external disk and plan to store your disk images on it.

Use a network sharepoint as repository if you plan to:
- boot your computers from an external disk and access/store your disk images on the network,
- deploy your computers through the network using a DeployStudio NetBoot set.

Do you want to setup:
- a local folder
- a network sharepoint

Home
Go Back
Continue
Welcome to DeployStudio Assistant

DeployStudio requires a repository to store and retrieve disk images, packages, scripts and configurations.

Please define the network repository settings below:

URL: afp://<computernname>/DeployStudio

Authentication (AFP or CIFS only)

User: deploystudio Password: ********

Advanced parameters

Use sub-folder:

Mount options:
Welcome to DeployStudio Assistant

DeployStudio Runtime can send automatically an email with the computer deployment status to the system administrators.

Enable email notifications

Information level:
- Failures only
- Successes and failures
- Include log file in mail body

Sender email: admin@example.com
Recipient email: admin@example.com
SMTP server: smtp.example.com
Use TLS

Login: optional
Password: optional
Welcome to DeployStudio Assistant

DeployStudio Server uses the HTTP/HTTPS with basic authentication protocol to communicate with the other applications (Assistant, Admin and Runtime).

By selecting a SSL certificate, HTTPS protocol will be used to secure the whole network traffic.

Repository settings: com.deploystudio.server

DeployStudio default ports are 60080 for HTTP and 60443 for HTTPS. You will need to define another port if these ports are already used by another service running on your server.

Interface: Ethernet  Port: 60443

By checking on the 'Reject unknown computers' button, computers not declared in the DeployStudio computers database will not be able to use DeployStudio Runtime and execute workflows.

Reject unknown computers
Welcome to DeployStudio Assistant

By default any user defined in the directories bound to the computer running DeployStudio Server has access to all the DeployStudio applications.

You may define a specific group of users to each DeployStudio application to meet your internal delegation requirements.

The Runtime application supports multiple groups (press return to validate each group). You'll be able to limit the usage of your workflows and/or disk images to one of these groups.

Assistant setup: [deploystudioassistant-group]

DS Admin: [deploystudioadmin-group]

DS Runtime: [deploystudioruntime-groups]
DeployStudio Server supports OS X disk images multicasting (DMG files), leveraging Apple Software Restore multicast technology.

Basically multicast is interesting when you need to deploy dozens of computers at once keeping the control of the network bandwidth.

Please contact your network administrator to help you to find out the best configuration according to your network equipment and infrastructure (standard multicast IP range is 224–239.254.254.254).

- Interface: Ethernet
- Multicast TTL: 3
- Address: 224.77.2.77
- First stream port: 7800
- Maximum multicast data rate: 8 MB/s
- Minimal client disk write speed: 15 MB/s
- Allow up to 4 different disk images streams to run in parallel
- Reconvert disk images before scanning (better multicast reliability)
Welcome to DeployStudio Assistant

DeployStudio database can identify computer records by hardware Serial Number or MAC address which are both unique for each system.

When identifying a computer record, DeployStudio looks first for the hardware Serial Number. If undefined, it will use the MAC address.

If you want DeployStudio to look first for the MAC address, change the preferred identifier attribute to Ethernet MAC address.

Preferred identifier attribute:
- Hardware Serial Number (default)
- Ethernet MAC address

Service providers are supposed to restore the original hardware Serial Number after replacing a Mac logic board. For database consistency, make sure the job has been done correctly.
Netboot
Welcome to DeployStudio Assistant

In a few steps, you can set up a remote DeployStudio server, create a DeployStudio NetBoot set for network deployments and configure DeployStudio PC (if installed).

Do you want to:

- Set up a DeployStudio Server
- Set up DeployStudio PC on this computer
- Create a DeployStudio NetBoot set
- Create a DeployStudio bootable external drive (Thunderbolt, Firewire & USB)
Welcome to DeployStudio Assistant

This assistant will help you to produce a pre-configured NetBoot system with the DeployStudio Runtime application in 4 easy steps.

You will need this NetBoot system and a NetBoot server if you are planning to deploy your computers through the network.

If you run this assistant on a Universal Binary OS X system, you'll get a Universal Binary NetInstall system that will boot both Intel and PowerPC based Macs. Otherwise, you'll need to run this assistant on each platform, then copy the produced NetBoot system to your NetBoot server.

Do not forget that you must create your NetBoot system on the latest OS X system you have. If your netboot image is not up-to-date, the latest Apple hardware may not be supported and will not boot.
Welcome to DeployStudio Assistant

This computer is running OS X client. If you plan to upload the produced NetBoot set to a NetBoot server, just click on Continue.

If you want to NetBoot client machines from this computer, you need to enable the NetBoot service. You may also enable the DHCP service if there's no DHCP server running on your network.

- Enable NetBoot service on interface [ ] Wi-Fi
- Enable DHCP service

Home  Go Back  Continue
Welcome to DeployStudio Assistant

A NetBoot system is defined by a human readable name and a unique identifier to distinguish itself from the other ones on the network.

The unique identifier is a number between 1 and 65535. Set a value greater than 4095 if you intend to balance the load over several NetBoot servers.

System name: DSR-160-1083-12D78

Unique identifier: 1083

Protocol: NFS

Language: Current

Network time server: time.apple.com
Welcome to DeployStudio Assistant

The DeployStudio Runtime must connect to a DeployStudio Server in order to get all the informations required for the deployment.

You can define a specific DeployStudio Server to make the Runtime connect automatically to this server or use the "Bonjour" protocol to discover the available servers on the local network.

- Use "Bonjour" protocol to discover available servers
- Connect to specific servers

Preferred: https://<servername>.example.com:60443
Alternative: https://<servername>.example.com:60443

DeployStudio Runtime checks server's build version once authenticated and alerts the user if they differ.

- Disable versions mismatch alerts
Welcome to DeployStudio Assistant

Communications between the DeployStudio Runtime and the Server are encrypted. You can define here a default login and password to fully automate the connection process.

Default login: deploystudioadmin
Password: 

DeployStudio Runtime can be controlled remotely with a standard VNC client, ARD Admin or the built-in Screen Sharing client. In order to enable remote sharing, define your own password below.

ARD user login: arduser
ARD/VNC password: 

- Display Runtime log window by default
- Put display to sleep after 10 minutes
- Reboot automatically 30 seconds after workflow completion
Welcome to DeployStudio Assistant

Optional tools to include in the NetBoot system:
- [ ] Python
- [ ] Ruby

Advanced options:
- [ ] Custom TCP stack settings (if performance is disappointing)
- [x] Disable wireless support (faster boot)
- [ ] Disable ads
- [ ] Custom title: Runtime main window title
Welcome to DeployStudio Assistant

A NetBoot system is composed of several files embedded in a folder with the ".nbi" extension.

If you are running this assistant on the NetBoot server, you can leave the destination folder to its default value (/Library/NetBoot/NetBootSP0).

If not, select another folder where the NetBoot system will be generated.

Destination:

/Users/n8felton/Desktop

[Locate]

[Home] [Go Back] [Continue]
Activity

Computers currently running the DeployStudio Runtime will appear in this section.

- You can control the Runtime environment via VNC if you enabled that option during the Runtime creation.
Computers

Database of computers.

If you select the "Reject unknown computers" option during the configuration process, computers you want to connect to DeployStudio must be in this database.

Ability to set a workflow to start automatically for a single or a group of computers when they log into the runtime.
Currently there are 23 workflow tasks, allowing your workflows to be very dynamic and versatile for whatever your needs are.
Masters
Packages
Scripts