

What type of devices will your installation involve?

Basic Storage Devices

Installs or upgrades to typical types of storage devices. If you're not sure which option is right for you, this is probably it.

Specialized Storage Devices

Installs or upgrades with devices such as Storage Area Network (SAN) devices or mainframe attached disks (DASD), usually in an enterprise environment.

- Local Storage
- Fibre Channel
- iSCSI
- SAS
- DASD
- FCoE
- CCISS

Should be default selection. If chosen, scan for existing Linux installs

Ordering of interconnect types needs to be thought about. Maybe alphabetical is not the best. I tried to do in proximity order, with FCoE tacked on the end.

Two possibilities: provide a flat list of all possible technologies, or have an intermediate step before this screen to scan for at least one of each tech with some reasonable timeout.... and only show the detected techs here or show all but flag the detected ones.

Only display for s390 installs.

Only scan for existing Linux installs if Basic selected. If advanced selected, scan AFTER user has chosen devices of interest.

BASIC:

show this screen right away after a scan
ADVANCED:
only show screen after user selects drives to
work with and only scan those drives.

fedora[™]
f[™]

At least one existing installation has been detected on your system. What would you like to do?



Fresh Installation

Choose this option to install a fresh copy of Fedora on your system. Existing software and data may be overwritten depending on your configuration choices.

Should this be
the default
selection??



Upgrade of an Existing Installation

Choose this option if you would like to upgrade your existing Fedora system. This option will preserve the existing data on your storage device(s).

Which Fedora installation would you like to upgrade?

Fedora 10 (located at /dev/VolGroup00/LogVol00)

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The advanced case.



Please select both the drives you'd like to install the operating system on and any other drives you'd like to be automatically mounted to your system below:

Basic Devices Firmware RAID Multipath Devices Other SAN Devices Search

<input type="checkbox"/> Model	Capacity	Vendor	Connection	Serial Number
<input checked="" type="checkbox"/> SSD SATA	40 GB	SanDisk, Inc.	SATA	NP0JT4C2FUWY
<input checked="" type="checkbox"/> ST9160824AS	80 GB	Seagate	IDE	5MACH5AT
<input checked="" type="checkbox"/> ST9160824AS	80 GB	Seagate	IDE	5JXGCL92
<input type="checkbox"/> Mini TravelDrive	4 GB	Memorex	USB	06C930A30E00

Show Columns:
 Capacity
 Connection
 Model
 Serial Number
 Vendor

Potential possibilities:
- SATA
- PATA
- IDE
- USB
- Firewire
- eSATA
- PCMCIA
- SSD
- SCSI

Grey indicates default sort; sorting should be available on all cols

ID_SERIAL_SHORT

9 devices (~4.0 TB) selected out of 13 devices (~5.5 TB) total.

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The advanced case,
alternate method (tabs)

Please select the drive(s) you'd like to include in this installation below:

Basic Devices Firmware RAID Multipath Devices Other SAN Devices Search

Device	Capacity
<input type="checkbox"/> RAID 1 Device	40 GB
<input checked="" type="checkbox"/> RAID 1 Device	80 GB
<input type="checkbox"/> RAID 5 Device	40 GB

I have no idea if these are appropriate fields. What do you think?

I don't have any sample cidev output for these types of devices, so I'm not sure how to format this list to exclude the unix style device names ...

8 devices (~3.7 TB) selected out of 13 devices (~5.5 TB) total.

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The advanced case, alternate method (tabs)



Please select the drive(s) you'd like to include in this installation below:

Basic Devices Firmware RAID Multipath Devices SAN Devices Search

Filter By: Vendor Show Only Devices From: All Vendors Clear All Filters

Filter	WWID	Capacity	Vendor	Device
<input type="checkbox"/>	60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:68	500 GB	EMC	mpath0
<input checked="" type="checkbox"/>	42:bb:cc:11:0f:8c:07:ff:ef:32:b2:cd:f5:66:ba:01:99	200 GB	EMC	sdaf (1:5:4) sdag (2:3:4) sdah (2:1:4)
<input type="checkbox"/>	ff:ef:32:b2:cd:f5:66:ba:01:99:42:bb:cc:11:0f:8c:07	1 TB	HP	mpath1 mpath2 sdam (1:3:7) sdan (1:4:7) sdao (2:2:7)

9 devices (~4.0 TB) selected out of 13 devices (~5.5 TB) total. Add iSCSI Target

This design only lets you view one vendor at-a-time or all. If finer-grained controls are needed, you could use a check/uncheck dropdown...

Here, shows only vendors you've opt devices for

Simple view of the devices under the mpath dev, with (port:target:lun)

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The advanced case, alternate method (tabs)



Please select the drive(s) you'd like to include in this installation below:

Populate based on interconnects user selected on the front screen. Also have an 'All interconnects' option.

Basic Devices Firmware RAID Multipath Devices Other SAN Devices Selected

Filter By: Interconnect Show Only Devices Using: Fiber Channel Clear All Filters

WWID	Capacity	Vendor	Interconnect	Paths
<input checked="" type="checkbox"/> 60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:68	500 GB	EMC	Fibre Channel	<input checked="" type="checkbox"/> Capacity <input checked="" type="checkbox"/> Interconnect <input type="checkbox"/> Model <input checked="" type="checkbox"/> Paths <input type="checkbox"/> Serial Number <input checked="" type="checkbox"/> Vendor <input checked="" type="checkbox"/> WWID
<input type="checkbox"/> ff:ef:32:b2:cd:f5:66:ba:01:99:42:bb:cc:11:0f:8c:07	1 TB	HP	Fibre Channel	

9 devices (~4.0 TB) selected out of 13 devices (~5.5 TB) total.

+ Add iSCSI Target

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The advanced case,
alternate method (tabs)



Please select the drive(s) you'd like to include in this installation below:

Basic Devices

Firmware RAID

Multipath Devices

Other SAN Devices

Se

Filter By: WWID

Show WWIDs that Include:

Go

Clear All Filters

Would be nice to support ? and *
wildcards here.

<input type="checkbox"/> WWID	Capacity	Vendor	Interconnect	Devices
<input checked="" type="checkbox"/> 60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:68	500 GB	EMC	Fibre Channel	▼ mpath0 sdaf (1:5:4) sdag (2:3:4) sdah (2:1:4)
<input checked="" type="checkbox"/> 42:bb:cc:11:0f:8c:07:ff:ef:32:b2:cd:f5:66:ba:01:99	200 GB	EMC	iSCSI	► mpath1
<input type="checkbox"/> ff:ef:32:b2:cd:f5:66:ba:01:99:42:bb:cc:11:0f:8c:07	1 TB	HP	Fibre Channel	▼ mpath2 sdam (1:3:7) sdan (1:4:7) sdao (2:2:7)

9 devices (~4.0 TB) selected out of 13 devices (~5.5 TB) total.

+ Add iSCSI Target

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The advanced case,
alternate method (tabs)



Please select the drive(s) you'd like to include in this installation below:

Basic Devices

Firmware RAID

Multipath Devices

Other SAN Devices

Search

Filter By: WWID

Show WWIDs that Include:

Go

Clear All Filters

Same filtering mechanism here as
for multipath.

<input type="checkbox"/>	WWID	Capacity	Vendor	Interconnect
<input checked="" type="checkbox"/>	60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:68	2 TB	EMC	Fibre Channel
<input checked="" type="checkbox"/>	42:bb:cc:11:0f:8c:07:ff:ef:32:b2:cd:f5:66:ba:01:99	1 TB	EMC	iSCSI
<input type="checkbox"/>	ff:ef:32:b2:cd:f5:66:ba:01:99:42:bb:cc:11:0f:8c:07	500 GB	HP	Fibre Channel

9 devices (~4.0 TB) selected out of 13 devices (~5.5 TB) total.

Add iSCSI Target

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The advanced case, alternate method (tabs)



Please select the device(s) you'd like to include in this installation below:

Basic Devices | Firmware RAID | Multipath Devices | Other SAN Devices | See

Search by: Port / Target / LUN # | Port: Any | Target: 8 | LUN #: 5 | Clear

If you hit clear and there are items selected, the selected items stay, only the unselected search results stay. Also, any search form entries are cleared.

Search Results:

<input type="checkbox"/> WWID	Port	Target	LUN	Vendor
<input checked="" type="checkbox"/> e5:90:ca:67:9d:41:90:34:da:14:99:0b:aa:38:9a:8e	1	8	5	QLogic
<input type="checkbox"/> 18:00:70:37:62:87:2c:60:db:68:60:06:01:60:92:d2	2	8	5	EMC
<input type="checkbox"/> ff:ef:32:b2:cd:f5:66:ba:01:99:42:bb:cc:11:0f:8c:07	3	8	5	EMC

Show Columns:

- Capacity
- Interconnect
- LUN
- Model
- Port
- Target
- Vendor
- WWID

This menu is at 50% opacity so you can see the items underneath in the mockup. Wouldn't be implemented like that, of course!

9 devices (~4.0 TB) selected out of 13 devices (~5.5 TB) total.

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The advanced case,
alternate method (tabs)



Please select the device(s) you'd like to include in this installation below:

Basic Devices | Firmware RAID | Multipath Devices | Other SAN Devices | See

Search by: Target WWID

WWID: 60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:11

Search

Clear

If you hit clear and there are items selected, the selected items stay, only the unselected search results stay. Also, any search form entries are cleared.

Search Results:

<input type="checkbox"/> WWID	Port	Target	LUN	Vendor
<input checked="" type="checkbox"/> 60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:11	1	8	5	QLogic
<input type="checkbox"/> 60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:11	2	3	2	EMC
<input type="checkbox"/> 60:06:01:60:92:d2:18:00:70:37:62:87:2c:60:db:11	3	9	1	EMC

Show Columns:

- Capacity
- Interconnect
- LUN
- Model
- Port
- Target
- Vendor
- WWID

This menu is at 50% opacity so you can see the items underneath in the mockup. Wouldn't be implemented like that, of course!

9 devices (~4.0 TB) selected out of 13 devices (~5.5 TB) total.

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Below are the storage devices you've selected to be a part of this installation. Please indicate using the arrows below which devices you'd like to use as data drives (these will not be formatted, only mounted) and which devices you'd like to use as storage for the install (these will be formatted.)

Data Storage Devices (to be mounted only)

Product	Capacity	Type	Vendor
md0	40 GB	RAID	IBM
ff:ef:32:b2:cd	80 GB	Multipath	EMC
60:06:01:60:9	400 GB	Multipath	Hitachi
ST9160824AS	80 GB	Local SATA	Seagate
ST9160824AS	80 GB	Local SATA	Seagate
87:			EMC

User could adjust column width to view full WWID...

Click or shift+click to select, then hit arrow to move...

the list could scroll horizontally if needed, but this introduces complications for the filter drop-down widget 0_0

first device in list is default boot device.

Install Target Devices

Boot	Device
<input checked="" type="radio"/>	md3 40 GB, RAID, IBM
<input type="radio"/>	SSD SATA 100 GB, Local SATA, Dell
<input type="radio"/>	ST340014AS 80 GB, Local IDE, WD

Create encrypted filesystem(s)

Tip: Install target devices will be reformatted and wiped of any data. Make sure you have backups.

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