

Type	Title	Effort	Start	Prerequisites	Assigned
	▼ 1) Identify need	1w 1d	T day		
	• 1.1) # of racks needed	3d	T day		
	• 1.2) total # of Kw	3d	T day		
	▼ 2) Internal Steps:	4d	T day		
	• 2.1) Set up a wiki/documentation area	1d	T day		
	• 2.2) set up folders for documentation/contracts etc.	1d	T day		
	• 2.3) spreadsheets for U level layouts, bins, inventory etc.	1d	T day		
	• 2.4) set up meeting cadence	1d	T day		
	▼ 3) Sample topology	2w	T+3d		1, 2
	• 3.1) sample bom	2d	T+3d		
	• 3.2) Sample U, and cabinet layout	1d	T+3d		
	• 3.3) Topology defined	2d	T+3d		
	• 3.4) estimate budget	2d	T+3d		
	• 3.5) Security review	2d	T+3d		
	• 3.6) Project initial review	1d	T+3d		
	▼ 4) RFP/questionnaire:	2w	T+5d		3
	• 4.1) Create and issue a RFP (small questionnaire)	1w	T+5d		
	• 4.2) review answers	1w	T+10d		4.1
	▼ 5) Location Selection	5w 2d 2h	T+15d		4
	• 5.1) Review locations	2d	T+15d		
	• 5.2) See locations	2d	T+17d		5.1
	• 5.3) Examine 1 lines, and ops processes	2d	T+17d		5.1
	• 5.4) Finalize locations	2d	T+19d		5.3
	• 5.5) Receive/review quote	2d	T+21d		5.4
	• 5.6) Review cage layout	2d	T+21d		5.4
	• 5.7) Review contract paperwork	1w	T+23d		5.5, 5.6
	• 5.8) update budget	2h	T+28d		5.7
	• 5.9) Sign MSA (Master Services Agreement)	1w	T+29d		5.7, 5.8
	• 5.10) Sign Order (actual order)	1w	T+34d		5.9
	◆ 5.11) Get a "SPACE READY DATE"	0h	T+38d		5.10
	▼ 6) Select Network providers	3w	T+21d		
	• 6.1) confirm providers are on-net	2d	T+21d		5.4
	• 6.2) Receive/review quote	2d	T+23d		6.1
	• 6.3) Review contract paperwork	1w	T+25d		6.2
	• 6.4) update budget	2d	T+30d		6.3
	• 6.5) Sign MSA (Master Services Agreement)	2d	T+32d		6.4
	• 6.6) Sign Order (actual order)	2d	T+39d		5.10, 6.5
	◆ 6.7) get a Firm Order Commit (FOC) date.	0h	T+40d		6.6
	▼ 7) Peering fabric	2w 1d	T+21d		5.4
	• 7.1) confirm fabrics that are available	1d	T+21d		
	• 7.2) Receive/review quote	4d	T+22d		7.1
	• 7.3) Review contract paperwork	2d	T+26d		7.2
	• 7.4) update budget	1d	T+28d		7.3
	• 7.5) Sign MSA (Master Services Agreement)	2d	T+29d		7.4
	• 7.6) Sign Order (actual order)	1d	T+31d		7.5
	▼ 8) vendor set up - sundries	1w 4d	T+5d		3
	• 8.1) grainger	1d	T+5d		
	• 8.2) anixter	1d	T+5d		
	• 8.3) graybar	1d	T+5d		
	• 8.4) amazon	1d	T+5d		
	• 8.5) cdw	1d	T+5d		
	• 8.6) Quail	1d	T+5d		
	• 8.7) DatacenterGear	1d	T+5d		
	• 8.8) FiberStore	1d	T+5d		
	• 8.9) Flexoptix	1d	T+5d		
	▼ 9) vendor set up - network reseller	4d	T+5d		3
	• 9.1) interview resellers,	1d	T+5d		
	• 9.2) request quote	1d	T+6d		9.1
	• 9.3) Review contract paperwork	1d	T+7d		9.2
	• 9.4) Sign Order (actual order)	1d	T+8d		9.3
	▼ 10) vendor set up - Integrator	2w 2d	T+5d		3
	• 10.1) interview integrators	2d	T+5d		
	• 10.2) visit location	1d	T+7d		10.1
	• 10.3) Request quote	2d	T+8d		10.2
	• 10.4) Review contract paperwork	2d	T+10d		10.3
	• 10.5) revise bom	2d	T+12d		10.4
	• 10.6) layout and cabling verification	2d	T+14d		10.5
	• 10.7) Sign Order (actual order)	1d	T+21d		5.4, 10.6
	▼ 11) Sundries:	4d	T+5d		3
	• 11.1) add parts to shopping lists	2d	T+5d		
	• 11.2) update budget	1d	T+5d		
	• 11.3) order parts.	1d	T+39d		5.11
	▼ 12) LOCAL RIR (eg: ARIN)	4w 2d	T+5d		3
	• 12.1) Create POC Record	1d	T+5d		
	• 12.2) Create ORGid	3d	T+6d		12.1
	• 12.3) ASN Request	3d	T+9d		12.2
	• 12.4) IPv6 request	3d	T+12d		12.3
	• 12.5) IPv4 transfer pre-approval	3d	T+15d		12.4
	• 12.6) IPv4 waiting list	3d	T+18d		12.5
	• 12.7) procure IPv4 space from broker market	3d	T+21d		12.6
	• 12.8) Update Budget	1d	T+24d		12.7
	• 12.9) Create Routing Objects.	1d	T+25d		12.8
	• 12.10) Update network providers on IP/ASN info	1d	T+26d		12.9
◆	◆ 13) IMPLEMENTATION PHASE	0h	T+40d		5, 6
	• 14) Increase meeting cadence	1d	T day		
	▼ 15) Integrator	4w 2d	T+22d		10
	• 15.1) Rack build time (parts arrival)	3w	T+22d		
	• 15.2) Confirm rack assembly.	1d	T+37d		15.1
	• 15.3) provide pre-configuration (if needed)	2d	T+38d		15.2
	• 15.4) verify appropriate code revs.	1d	T+40d		15.3
	• 15.5) verify appropriate cabling	1d	T+41d		15.4
	• 15.6) Rack shipped to datacenter	2d	T+42d		5, 15.5
	▼ 16) Location	6w 1d	T+39d		5
	• 16.1) Power circuits delivered	2w	T+39d		
	• 16.2) misc (eg: bolt down system) work	1w	T+39d		
	• 16.3) keycard/palm/fingerprint reader installed	2w	T+39d		
◆	◆ 16.4) Cage ready	0h	T+48d		16.1, 16.2, 16.3
	• 16.5) Confirm ability to open tickets	1d	T+49d		16.4
	• 16.6) confirm ability to visit	1d	T+49d		16.4
	• 16.7) Open tickets for all incoming shipments	1d	T+49d		16.4
	• 16.8) Open tickets for all needed crossconnects	1d	T+49d		16.4
	• 16.9) Open tickets for boltdown	1d	T+49d		16.4
	• 16.10) Open tickets to energize power	1d	T+49d		16.4
	▼ 17) Racks-Ready	1w 4d	T+50d		
	• 17.1) Racks received at datacenter	1d	T+50d		16
	• 17.2) Racks placed in datacenter	1d	T+51d		17.1
	• 17.3) racks bolted down	1d	T+52d		17.2
	• 17.4) racks powered on.	1d	T+53d		17.3
	• 17.5) Panels are set up to receive xconnects.	1d	T+54d		17.4
	• 17.6) routers / switches BASE Config.	2d	T+54d		17.4
	• 17.7) rack to spine interconnect cabling	2d	T+54d		17.4
	▼ 18) Sundries work	3d	T+50d		
	• 18.1) Sundries arrive	2d	T+50d		16
	• 18.2) Sundries unpacked/assembled	1d	T+52d		18.1
	▼ 19) Network Provider bringup	3d	T+56d		
	• 19.1) Network provider xconnect finished	2d	T+56d		17.6
	• 19.2) Network provider link working	1d	T+58d		19.1
	▼ 20) Peering Fabric	3d	T+56d		
	• 20.1) Peering fabric xconnect finished	2d	T+56d		17.6
	• 20.2) Peering Fabric link brought up	1d	T+58d		20.1
	▼ 21) Networking	1w 2d	T+59d		
	• 21.1) Routing ROAs created	1d	T+59d		19
	• 21.2) Test all route objects.	1d	T+60d		21.1
	• 21.3) Network Configuration Final	1w	T+61d		21.2
	• 22) OOB verification	1d	T+66d		21
	• 23) Documentation final updates	3d	T+67d		21, 22
	▼ 24) Server Imaging	1w 2d	T+66d		21
	• 24.1) Server services created (eg: Dns, dhcp)	1d	T+66d		
	• 24.2) Web/app/db configuration	3d	T+67d		24.1
	• 24.3) Server end to end tests	2d	T+70d		24.2
	• 24.4) Stress test	1d	T+72d		24.3
	▼ 25) Monitoring:	1w 1d	T+70d		24.2
	• 25.1) Syslog, SNMP, Sflow monitoring	1d	T+70d		
	• 25.2) System Monitoring	2d	T+70d		
	• 25.3) Grafana dashboards.	2d	T+72d		25.2
	• 25.4) Alerting/escalation	1d	T+74d		25.3
	▼ 26) Failure Testing	2w	T+75d		25
	• 26.1) Fail a server (remove a drive, remove the network) - confirm alerts come in, confirm tickets are filed, and impact	1d	T+75d		
	• 26.2) Fail a network device. Confirm alerts come in, tickets filed, etc.	1d	T+76d		26.1
	• 26.3) Fail a rack of equipment. Confirm alerts, tickets etc.	1d	T+77d		26.2
	• 26.4) Fail and restore the DC, confirm things come back up as expected. Document, and resolve issues.	1d	T+78d		26.3
	• 26.5) Test rolling back a deployment	1d	T+79d		26.4
	• 26.6) Benchmark the site, and see what your limitations are.	1w	T+80d		26.5
	▼ 27) Cutover	1d	T+85d		26
	• 27.1) Data migration to site	1d	T+85d		
◆	◆ 27.2) GO LIVE	0h	T+85d		27.1
	▼ 28) Post install	8w	T+86d		27.2
	• 28.1) Archive of old site	4w	T+86d		
	• 28.2) Removal of old site	4w	T+86d		
	▼ 29) Every quarter moving forward:	0h	T+85d		27
◆	◆ 29.1) Review ongoing capacity plan.	0h	T+85d		
◆	◆ 29.2) Send forecast to integrator / vendors	0h	T+85d		
◆	◆ 29.3) Order additional power as needed	0h	T+85d		
◆	◆ 29.4) Order additional space as needed etc.	0h	T+85d		
◆	◆ 29.5) Review a DR Plan.	0h	T+85d		