

Type	Title	Effort	Start	Prerequisites	Assigned
	▼ 1) Identify need	2w	T day		
	• 1.1) # of racks needed	1w	T day		
	• 1.2) total # of Kw	1w	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	3w 2d	T+5d		1, 2
	• 3.1) sample bom	4d	T+5d		
	• 3.2) Sample U, and cabinet layout	2d	T+5d		
	• 3.3) Topology defined	2d	T+5d		
	• 3.4) estimate budget	1w	T+5d		
	• 3.5) Security review	2d	T+5d		
	• 3.6) Project initial review	2d	T+5d		
	▼ 4) RFP:	5w	T+10d		3
	• 4.1) Create and issue a RFP.	1w	T+10d		
	• 4.2) review answers	2w	T+15d		4.1
	• 4.3) Follow up questions/answers	2w	T+25d		4.2
	▼ 5) Location Selection	8w 2d	T+35d		4
	• 5.1) Review locations	2w	T+35d		
	• 5.2) See locations	2d	T+45d		5.1
	• 5.3) Examine 1 lines, and ops processes	2d	T+47d		5.2
	• 5.4) Finalize locations	2d	T+49d		5.3
	• 5.5) Receive/review quote	2d	T+51d		5.4
	• 5.6) Review cage layout	2d	T+53d		5.5
	• 5.7) Review contract paperwork	2w	T+55d		5.5, 5.6
	• 5.8) update budget	2d	T+65d		5.7
	• 5.9) Sign MSA (Master Services Agreement)	1w	T+67d		5.7, 5.8
	• 5.10) Sign Order (actual order)	1w	T+72d		5.9
	◆ 5.11) Get a "SPACE READY DATE"	0h	T+76d		5.10
	▼ 6) Electrical Work	1w 4d	T+35d		4
	• 6.1) Refine Scope of work	2d	T+35d		
	• 6.2) (eg: Busbar, breakers, grounding etc.)	2d	T+35d		
	• 6.3) Quote received	4d	T+37d		6.1, 6.2
	• 6.4) order signed	1d	T+77d		5.10, 6.3
	▼ 7) Cabling Contractors	1w 2d	T+35d		4
	• 7.1) Review cable map	2d	T+35d		
	• 7.2) Quote received	4d	T+37d		7.1
	• 7.3) order signed	1d	T+77d		5.10, 7.2
	▼ 8) Misc contractors	1w 2d	T day		
	• 8.1) (eg: bolt down system),	2d	T day		
	• 8.2) Quote received	4d	T+2d		8.1
	• 8.3) order signed	1d	T+77d		5.10, 8.2
	• 9) structural engineering review	3d	T+51d		5.4, 8.2
	• 10) permit review and approvals.	1w	T+54d		5.4, 8.2, 9
	▼ 11) Select Network providers	3w	T+51d		
	• 11.1) confirm providers are on-net	2d	T+51d		5.4
	• 11.2) Receive/review quote	2d	T+53d		11.1
	• 11.3) Review contract paperwork	1w	T+55d		11.2
	• 11.4) update budget	2d	T+60d		11.3
	• 11.5) Sign MSA (Master Services Agreement)	2d	T+62d		11.4
	• 11.6) Sign Order (actual order)	2d	T+77d		5.10, 11.5
	◆ 11.7) get a Firm Order Commit (FOC) date.	0h	T+78d		11.6
	▼ 12) Peering fabric	2w 1d	T+51d		5.4
	• 12.1) confirm fabrics that are available	1d	T+51d		
	• 12.2) Receive/review quote	4d	T+52d		12.1
	• 12.3) Review contract paperwork	2d	T+56d		12.2
	• 12.4) update budget	1d	T+58d		12.3
	• 12.5) Sign MSA (Master Services Agreement)	2d	T+59d		12.4
	• 12.6) Sign Order (actual order)	1d	T+61d		12.5
	▼ 13) vendor set up - sundries	1w 4d	T+10d		3
	• 13.1) grainger	1d	T+10d		
	• 13.2) anixter	1d	T+10d		
	• 13.3) graybar	1d	T+10d		
	• 13.4) amazon	1d	T+10d		
	• 13.5) cdw	1d	T+10d		
	• 13.6) Quail	1d	T+10d		
	• 13.7) DatacenterGear	1d	T+10d		
	• 13.8) FiberStore	1d	T+10d		
	• 13.9) Flexoptix	1d	T+10d		
	▼ 14) vendor set up - network reseller	4d	T+10d		3
	• 14.1) interview resellers,	1d	T+10d		
	• 14.2) request quote	1d	T+11d		14.1
	• 14.3) Review contract paperwork	1d	T+12d		14.2
	• 14.4) Sign Order (actual order)	1d	T+13d		14.3
	▼ 15) vendor set up - Integrator	2w 2d	T+77d		5.11, 14.4
	• 15.1) interview integrators	2d	T+77d		3
	• 15.2) visit location	1d	T+77d		
	• 15.3) Request quote	2d	T+78d		15.2
	• 15.4) Review contract paperwork	2d	T+80d		15.3
	• 15.5) revise bom	2d	T+82d		15.4
	• 15.6) layout and cabling verification	2d	T+84d		15.5
	• 15.7) Sign Order (actual order)	1d	T+86d		5.11, 15.6
	▼ 16) Sundries:	4d	T+10d		3
	• 16.1) add parts to shopping lists	2d	T+10d		
	• 16.2) update budget	1d	T+10d		
	• 16.3) order parts.	1d	T+77d		5.11
	▼ 17) LOCAL RIR (eg: ARIN)	4w 2d	T+10d		3
	• 17.1) Create POC Record	1d	T+10d		
	• 17.2) Create ORGid	3d	T+11d		17.1
	• 17.3) ASN Request	3d	T+14d		17.2
	• 17.4) IPv6 request	3d	T+17d		17.3
	• 17.5) IPv4 transfer pre-approval	3d	T+20d		17.4
	• 17.6) IPv4 waiting list	3d	T+23d		17.5
	• 17.7) procure IPv4 space from broker market	3d	T+26d		17.6
	• 17.8) Update Budget	1d	T+29d		17.7
	• 17.9) Create Routing Objects.	1d	T+30d		17.8
	• 17.10) Update network providers on IP/ASN info	1d	T+31d		17.9
	◆ 18) IMPLEMENTATION PHASE	0h	T+78d		5, 10, 11
	• 19) Increase meeting cadence	1d	T day		
	▼ 20) Integrator	4w 2d	T+51d		5.4
	• 20.1) Rack build time (parts arrival)	3w	T+51d		
	• 20.2) Confirm rack assembly.	1d	T+66d		20.1
	• 20.3) provide pre-configuration (if needed)	2d	T+67d		20.2
	• 20.4) verify appropriate code revs.	1d	T+69d		20.3
	• 20.5) verify appropriate cabling	1d	T+70d		20.4
	• 20.6) Rack shipped to datacenter	2d	T+79d		5, 15.1, 20.5
	▼ 21) Location	8w 1d	T+77d		5
	• 21.1) Power circuits delivered	2w	T+77d		
	• 21.2) low voltage cabling work	2w	T+77d		
	• 21.3) misc (eg: bolt down system) work	1w	T+77d		
	• 21.4) keycard/palm/fingerprint reader installed	2w	T+77d		
	◆ 21.5) Cage ready	0h	T+86d		21.1, 21.2, 21.3, 21.4
	• 21.6) Confirm ability to open tickets	1d	T+87d		21.5
	• 21.7) confirm ability to visit	1d	T+87d		21.5
	• 21.8) Open tickets for all incoming shipments	1d	T+87d		21.5
	• 21.9) Open tickets for all needed crossconnects	1d	T+87d		21.5
	• 21.10) Open tickets for boltdown	1d	T+87d		21.5
	• 21.11) Open tickets to energize power	1d	T+87d		21.5
	▼ 22) Racks-Ready	1w 4d	T+88d		
	• 22.1) Racks received at datacenter	1d	T+88d		21
	• 22.2) Racks placed in datacenter	1d	T+89d		22.1
	• 22.3) racks bolted down	1d	T+90d		22.2
	• 22.4) racks set up on.	1d	T+91d		22.3
	• 22.5) Panels are power up to receive xconnects.	1d	T+92d		22.4
	• 22.6) routers / switches BASE Config.	2d	T+92d		22.4
	• 22.7) rack to spine interconnect cabling	2d	T+92d		22.4
	▼ 23) Sundries work	1w 1d	T+88d		
	• 23.1) Sundries arrive	1w	T+88d		21
	• 23.2) Sundries unpacked/assembled	1d	T+93d		23.1
	▼ 24) Network Provider bringup	3d	T+94d		
	• 24.1) Network provider xconnect finished	2d	T+94d		22.6
	• 24.2) Network provider link working	1d	T+96d		24.1
	▼ 25) Peering Fabric	3d	T+94d		
	• 25.1) Peering fabric xconnect finished	2d	T+94d		22.6
	• 25.2) Peering Fabric link brought up	1d	T+96d		25.1
	▼ 26) Networking	1w 2d	T+97d		
	• 26.1) Routing ROAs created	1d	T+97d		24
	• 26.2) Test all route objects.	1d	T+98d		26.1
	• 26.3) Network Configuration Final	1w	T+99d		26.2
	• 27) OOB verification	1d	T+104d		26
	• 28) Documentation final updates	1w	T+105d		26, 27
	▼ 29) Server Imaging	2w 4d	T+104d		26
	• 29.1) Server services created (eg: Dns, dhcp)	1d	T+104d		
	• 29.2) Web/app/db configuration	2w	T+105d		29.1
	• 29.3) Server end to end tests	2d	T+115d		29.2
	• 29.4) Stress test	1d	T+117d		29.3
	▼ 30) Monitoring:	1w 1d	T+115d		29.2
	• 30.1) Syslog, snmp Sflow monitoring	1d	T+115d		
	• 30.2) System Monitoring	2d	T+115d		
	• 30.3) Grafana dashboards.	2d	T+117d		30.2
	• 30.4) Alerting/escalation	1d	T+119d		30.3
	▼ 31) Failure Testing	2w	T+120d		30
	• 31.1) Fail a server (remove a drive, remove the network) - confirm alerts come in, confirm tickets are filed, and impact	1d	T+120d		
	• 31.2) Fail a network device. Confirm alerts come in, tickets filed, etc.	1d	T+121d		31.1
	• 31.3) Fail a rack of equipment. Confirm alerts, tickets etc.	1d	T+122d		31.2
	• 31.4) Fail and restore the DC, confirm things come back up as expected. Document, and resolve issues.	1d	T+123d		31.3
	• 31.5) Test rolling back a deployment	1d	T+124d		31.4
	• 31.6) Benchmark the site, and see what your limitations are.	1w	T+125d		31.5
	▼ 32) Cutover	1d	T+130d		31
	• 32.1) Data migration to site	1d	T+130d		
	◆ 32.2) GO LIVE	0h	T+130d		32.1
	▼ 33) POST INSTALL	8w	T+131d		
	• 33.1) Archive of old site	4w	T+131d		32.2
	• 33.2) Removal of old site	4w	T+131d		32.2
	▼ 34) Every quarter moving forward:	0h	T+130d		32
◆	◆ 34.1) Review ongoing capacity plan.	0h	T+130d		
◆	◆ 34.2) Send forecast to integrator / vendors	0h	T+130d		
◆	◆ 34.3) Order additional power as needed	0h	T+130d		
◆	◆ 34.4) Order additional space as needed etc.	0h	T+130d		
◆	◆ 34.5) Review a DR Plan.	0h	T+130d		