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:	1w 3d	T day		
	• 2.1) Set up a wiki/documentation area	2d	T day		
	• 2.2) set up folders for documentation/contracts etc.	2d	T day		
	• 2.3) spreadsheets for U level layouts, bins, inventory etc.	2d	T day		
	• 2.4) set up meeting cadence	2d	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	4d	T+5d		
	• 3.4) estimate budget	2d	T+5d		
	• 3.5) Security review	4d	T+5d		
	• 3.6) Project initial review	1d	T+5d		
	4) RFP/questionaire:	4w	T+9d	3	
	• 4.1) Create and issue a RFP (small questionaire)	3w	T+9d		
	• 4.2) review answers	1w	T+24d	4.1	
	5) Location Selection	9w 1d 2h	T+29d	4	
	• 5.1) Review locations	1w	T+29d		
	• 5.2) See locations	1w	T+34d	5.1	
	• 5.3) Examine 1 lines, and ops processes	2d	T+34d	5.1	
	• 5.4) Finalize locations	3w	T+36d	5.3	
	• 5.5) Receive/review quote	2d	T+51d	5.4	
	• 5.6) Review cage layout	2d	T+51d	5.4	
	• 5.7) Review contract paperwork	1w	T+53d	5.5, 5.6	
	• 5.8) update budget	2h	T+58d	5.7	
	• 5.9) Sign MSA (Master Services Agreement)	1w	T+59d	5.7, 5.8	
	• 5.10) Sign Order (actual order)	1w	T+59d	5.7, 5.8	
◇	• 5.11) Get a "SPACE READY DATE"	0h	T+63d	5.10	
	6) Select Network providers	6w	T+51d		
	• 6.1) confirm providers are on-net	4d	T+51d	5.4	
	• 6.2) Receive/review quote	1w	T+55d	6.1	
	• 6.3) Review contract paperwork	3w	T+60d	6.2	
	• 6.4) update budget	2d	T+75d	6.3	
	• 6.5) Sign MSA (Master Services Agreement)	2d	T+77d	6.4	
	• 6.6) Sign Order (actual order)	2d	T+79d	5.10, 6.5	
◇	• 6.7) get a Firm Order Commit (FOC) date.	0h	T+80d	6.6	
	7) Peering fabric	6w	T+51d	5.4	
	• 7.1) confirm fabrics that are available	2d	T+51d		
	• 7.2) Receive/review quote	2w	T+53d	7.1	
	• 7.3) Review contract paperwork	1w	T+63d	7.2	
	• 7.4) update budget	1d	T+68d	7.3	
	• 7.5) Sign MSA (Master Services Agreement)	2w	T+69d	7.4	
	• 7.6) Sign Order (actual order)	2d	T+69d	7.4	
	8) vendor set up - sundries	3w 3d	T+9d	3	
	• 8.1) grainger	2d	T+9d		
	• 8.2) anixter	2d	T+9d		
	• 8.3) graybar	2d	T+9d		
	• 8.4) amazon	2d	T+9d		
	• 8.5) cdw	2d	T+9d		
	• 8.6) Quail	2d	T+9d		
	• 8.7) DatacenterGear	2d	T+9d		
	• 8.8) FiberStore	2d	T+9d		
	• 8.9) Flexoptix	2d	T+9d		
	9) vendor set up - network reseller	5w 2d	T+9d	3	
	• 9.1) interview resellers,	2w	T+9d		
	• 9.2) request quote	1w	T+19d	9.1	
	• 9.3) Review contract paperwork	2w	T+24d	9.2	
	• 9.4) Sign Order (actual order)	2d	T+34d	9.3	
	10) vendor set up - Integrator	7w	T+9d	3	
	• 10.1) interview integrators	2w	T+9d		
	• 10.2) visit location	2d	T+19d	10.1	
	• 10.3) Request quote	2w	T+21d	10.2	
	• 10.4) Review contract paperwork	2d	T+31d	10.3	
	• 10.5) revise bom	4d	T+33d	10.4	
	• 10.6) layout and cabling verification	1w	T+37d	10.5	
	• 10.7) Sign Order (actual order)	2d	T+51d	5.4, 10.6	
	11) Sundries:	1w 2d	T+9d	3	
	• 11.1) add parts to shopping lists	4d	T+9d		
	• 11.2) update budget	1d	T+9d		
	• 11.3) order parts.	2d	T+64d	5.11	
	12) LOCAL RIR (eg: ARIN)	7w 2d	T+9d	3	
	• 12.1) Create POC Record	2d	T+9d		
	• 12.2) Create ORGid	1w	T+11d	12.1	
	• 12.3) ASN Request	1w	T+16d	12.2	
	• 12.4) IPv6 request	1w	T+21d	12.3	
	• 12.5) IPv4 transfer pre-approval	1w	T+26d	12.4	
	• 12.6) IPv4 waiting list	1w	T+31d	12.5	
	• 12.7) procure IPv4 space from broker market	1w	T+36d	12.6	
	• 12.8) Update Budget	1d	T+41d	12.7	
	• 12.9) Create Routing Objects.	2d	T+42d	12.8	
	• 12.10) Update network providers on IP/ASN info	2d	T+44d	12.9	
◇	◆ 13) IMPLEMENTATION PHASE	0h	T+80d	5, 6	
	◆ 14) Increase meeting cadence	1d	T day		
	15) Integrator	7w 3d	T+53d	10	
	• 15.1) Rack build time (parts arrival)	5w	T+53d		
	• 15.2) Confirm rack assembly.	2d	T+78d	15.1	
	• 15.3) provide pre-configuration (if needed)	4d	T+80d	15.2	
	• 15.4) verify appropriate code revs.	1d	T+84d	15.3	
	• 15.5) verify appropriate cabling	1d	T+85d	15.4	
	• 15.6) Rack shipped to datacenter	1w	T+86d	5, 15.5	
	16) Location	13w 1d	T+64d	5	
	• 16.1) Power circuits delivered	3w	T+64d		
	• 16.2) low voltage cabling work	3w	T+64d		
	• 16.3) misc (eg: bolt down system) work	3w	T+64d		
	• 16.4) keycard/palm/fingerprint reader installed	3w	T+64d		
◇	◆ 16.5) Cage ready	0h	T+78d	16.1, 16.2, 16.3, 16.4	
	• 16.6) Confirm ability to open tickets	1d	T+79d	16.5	
	• 16.7) confirm ability to visit	1d	T+79d	16.5	
	• 16.8) Open tickets for all incoming shipments	1d	T+79d	16.5	
	• 16.9) Open tickets for all needed crossconnects	1d	T+79d	16.5	
	• 16.10) Open tickets for boltdown	1d	T+79d	16.5	
	• 16.11) Open tickets to energize power	1d	T+79d	16.5	
	17) Racks-Ready	3w 1d	T+80d		
	• 17.1) Racks received at datacenter	1d	T+80d	16	
	• 17.2) Racks placed in datacenter	1d	T+81d	17.1	
	• 17.3) racks bolted down	1d	T+82d	17.2	
	• 17.4) racks powered on.	1d	T+83d	17.3	
	• 17.5) Panels are set up to receive xconnects.	2d	T+84d	17.4	
	• 17.6) routers / switches BASE Config.	1w	T+84d	17.4	
	• 17.7) rack to spine interconnect cabling	1w	T+84d	17.4	
	18) Sundries work	2w 2d	T+80d		
	• 18.1) Sundries arrive	2w	T+80d	16	
	• 18.2) Sundries unpacked/assembled	2d	T+90d	18.1	
	19) Network Provider bringup	1w 1d	T+89d		
	• 19.1) Network provider xconnect finished	1w	T+89d	17.6	
	• 19.2) Network provider link working	1d	T+94d	19.1	
	20) Peering Fabric	3d	T+89d		
	• 20.1) Peering fabric xconnect finished	2d	T+89d	17.6	
	• 20.2) Peering Fabric link brought up	1d	T+91d	20.1	
	21) Networking	1w 4d	T+95d		
	• 21.1) Routing ROAs created	2d	T+95d	19	
	• 21.2) Test all route objects.	2d	T+97d	21.1	
	• 21.3) Network Configuration Final	1w	T+99d	21.2	
	◆ 22) OOB verification	1w	T+104d	21	
	◆ 23) Documentation final updates	1w	T+109d	21, 22	
	24) Server Imaging	5w	T+104d	21	
	• 24.1) Server services created (eg: Dns, dhcp)	1w	T+104d		
	• 24.2) Web/app/db configuration	2w	T+109d	24.1	
	• 24.3) Server end to end tests	1w	T+119d	24.2	
	• 24.4) Stress test	1w	T+124d	24.3	
	25) Monitoring:	4w	T+119d	24.2	
	• 25.1) Syslog, SNMP, Sflow monitoring	1w	T+119d		
	• 25.2) System Monitoring	1w	T+119d		
	• 25.3) Grafana dashboards.	1w	T+124d	25.2	
	• 25.4) Alerting/escalation	1w	T+129d	25.3	
	26) Failure Testing	5w 1d	T+134d	25	
	• 26.1) Fail a server (remove a drive, remove the network) - confirm alerts come in, confirm tickets are filed, and impact	3d	T+134d		
	• 26.2) Fail a network device. Confirm alerts come in, tickets filed, etc.	3d	T+137d	26.1	
	• 26.3) Fail a rack of equipment. Confirm alerts, tickets etc.	1w	T+140d	26.2	
	• 26.4) Fail and restore the DC, confirm things come back up as expected. Document, and resolve issues.	1w	T+145d	26.3	
	• 26.5) Test rolling back a deployment	1w	T+150d	26.4	
	• 26.6) Benchmark the site, and see what your limitations are.	1w	T+155d	26.5	
	27) Cutover	3w	T+160d	26	
	• 27.1) Data migration to site	3w	T+160d		
◇	◆ **27.2) GO LIVE**	**0h**	**T+174d**	**27.1**	
	28) Post install	8w	T+175d	27.2	
	• 28.1) Archive of old site	4w	T+175d		
	• 28.2) Removal of old site	4w	T+175d		
	29) Every quarter moving forward:	0h	T+174d	27	
◇	◆ 29.1) Review ongoing capacity plan.	0h	T+174d		
◇	◆ 29.2) Send forecast to integrator / vendors	0h	T+174d		
◇	◆ 29.3) Order additional power as needed	0h	T+174d		
◇	◆ 29.4) Order additional space as needed etc.	0h	T+174d		
◇	◆ 29.5) Review a DR Plan.	0h	T+174d		