COG Summary lab
By Damsith Marasinghe

Me as hacker I will try to hack to Ukraine power grid by hacking into the main frame of the power grid by since grid its self more centralized I able to exploit into the there system by there security systems and banks used by power grid employees who are working there and gain access to there many hacking bank account that emails there stealing employees personal information and telephones and wifi network within powerd grid shutting down the nuclear reactor that powers the grid which supplies power each region of Ukraine and also the traffic lights many other road signals on the road .I also want control public networks and private as well as public which I can cause more description on the network .I also want exploit the network access point to gain access to the main access computers inside the PowerGrid and the main fire walls and server that controls the power grids functions also would like get access to network switches that communicate with power grid I which want get control in order shut power to certain regions and also to divert power to different region which I want critical capability as hacker to gain access to the power grid and its function also get also control who is getting power and who should not and also control whole power grid to my own control .I also like to get access employees who are working at power grids personal details and there banking information and financial l data routing numbers and the checking account information in order for me to get money withdrawn to my account .me as hacker I would like get access to nuclear reactor so that I shut down that cut power to whole region .critical requirement me as a hacker I require to have networking skills computer skills , Linux skills have idea of reverse engineering cryptography. I see some the vulnerabilities are like the network switches and access points that I as hacker get into and do unlimited amount hacking because there more easily accessible to me password

are not set nor they not strong enough to so hacker like me walk through them without

any problems there is not firewalls setup on PowerGrid where if a hacker like me able get

to system will able penetrate the system if there is firewall that in the way me getting to

the network and also having some antivirus software would help me as hacker will not

able penetrate antivirus software is block hackers getting to the network .

Target Components	C	A	R	V	E	R	Total
Water Filters and Pumps	5	5	4	3	2	3	22
Ion Filter	2	3	5	5	5	4	24
Pre-heater and Pumps	5	2	5	1	5	5	23
Air intake	2	1	1	5	5	5	19
Blowers	5	1	5	3	5	5	24
Barger's	5	1	3	5	7	7	28
Docks and Oil Pumps	5	6	5	5	6	5	32
Storage Tanks	5	5	5	5	5	5	30
Pre-heater and Pumps(Fuel)	5	5	5	5	5	5	30
Boiler	5	5	5	5	5	5	30
Turbine/Generator	5	5	5	5	5	5	30
Transformers	5	5	5	5	5	5	30
Turbine/Generator	5	5	5	5	5	5	30
Transformers	5	5	5	5	5	5	30
Power lines	5	5	5	5	5	5	30
Switching Station	5	5	5	5	5	5	30

Carver scale I would to target a five and four and one and five and six and sevens because

of location of the target and Ukraine which has been security wise not most secured

place when comes security and there not many protection against hackers so a hackers

like me or anyone can getting into the network do more so much harm to power grid and

there infrastructure of around its easily compromised overall I got twenty two for first

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row target .I gave two fives and four and three and two and three equals to twenty two

and adds up to twenty two rest of carver scale I have fives and four and two over all not

most secured power grid is very compromised .