



Reconnaissance Report of Lincoln Financial Group

Lincoln Financial Group was founded in 1905, a group of Fort Wayne business leaders came together to create a life insurance company based on dependability, honesty and service. Today, Lincoln Financial Group has developed into a well-organized company that provides advice and solutions that empower Americans to take charge of their financial lives with confidence. They have expanded their core business areas into not only life insurance, but also annuities, retirement plan services and group protection. They have 9,308 employees, 9 key office locations include corporate headquarters which locates at 150 North Radnor-Chester Road Radnor, PA 19087. Most importantly, more than 17 million people trust Lincoln for their retirement, insurance and wealth protection needs. We would like to learn how and what they use to protect their customers' asset so well and maintain their own reputation for more than a decade.

First, through a whois research, we found some general network information about Lincoln Financial group. Its domain, flg.com was registered in 1996 and will expire in 2017, and the last update was in 2015. Its domain ID is 2984204_DOMAIN_COM-VRSN. Its IP address is 148.159.161.127 located in Philadelphia, and 5 changes were made on LFG's four unique IP addresses over eleven years. The two name servers are NS5.LFG.COM and NS6.LFG.COM. Secondly, we used ip-tracker.org obtained further information. Its registrant, admin and tech emails are all admindomreg@lfg.com, while their locations are 1300 S Clinton Street, Fort Wayne, IN. LFG's whois server is whois.cscproratedomains.com. Thirdly, we found two Point of Contact (PoCs) of LFG via ARIN; one is in Anytown,VA and another one is in Fort Wayne, IN.

By using google hacking, we are trying to find some internal information in LFG. We firstly used command "intext: Lincoln Financial Group filetype: doc inurl: flg" and "site: flg.com filetype:doc" to search for possible important PDF files, and we didn't find anything useful. Then, we changed the "filetype" to "PDF" and found a company overview, some key facts about LFG, LFG luxury expenditures policy, Lincoln Marketing Guidelines and Lincoln financial advisors corporation financial planning brochure. The luxury expenditures policy is the only thing that should not be found through public internet search since it is related to their employees. The marketing guidelines are also for LFG internal use only, which is marked at the bottom of each page. They both should be confidential documents and should not be accessible to the public. The other three are information that people should know about LFG. After that, changed the "filetype" to "xlsx" and the only thing we found was a statistical supplement for the fourth quarter in 2015. We also tried some key words including "confidential," "sensitive," "internal," and etc. for the intext command, but we did not get many useful results.

Finally, we used LinkedIn, job-posting website and their home page to search what technologies they use. It was difficult to find information on LinkedIn, we opened 6 profiles, only one person listed out technologies that he used in the company which includes C/C++/C#, QuantLib, SWIG (for C#/C++ interoperability), MySQL and Excel/VBA. We used Glassdoor as the job-posting website to search more information. Other tools that they would use are Factset,

Barra, Barclays POINT, Blackrock Solutions, Bloomberg and/or other similar tools. They didn't post any information related to technology on their homepage positions.

Overall, Lincoln Financial Group protected their information very well. We could not find much intensive and confidential information through public internet research. They didn't have any large data breach or cyber security crisis for 110 years which helped them to build an honest and reliable image. As a potential customer, after this research we would love to let LFG manage our financial lives and ask for advices from their professionals.

Resources:

<https://whois.arin.net/rest/org/LFG-6>

<https://whois.arin.net/rest/org/LFG-13>

<http://whois.domaintools.com/lfg.com>

<http://www.ip-tracker.org/locator/ip-lookup.php?ip=148.159.161.127>

<http://www.ip-tracker.org/lookup/whois-lookup.php?query=lfg.com>

<https://www.lfg.com/wcs-static/pdf/Key%20Facts.pdf>

<https://www.lfg.com/wcs-static/pdf/Company%20overview.pdf>

<https://www.lfg.com/wcs-static/pdf/Luxury%20Expenditures%20Policy%20.pdf>

http://www.lfg.com/public/static/app/lfa/html/LFA_Financial_Planning_Brochure.pdf

https://fulfillment.lfg.com/cf/lfg/ef/25191/lfg-ed-brc001_z02_view.pdf

<http://www.dnsstuff.com/tools#dnsReport?type=domain&&value=www.lfg.com>