



Republic of the Philippines
NATIONAL POLICE COMMISSION
PHILIPPINE NATIONAL POLICE
INFORMATION TECHNOLOGY MANAGEMENT SERVICE
Camp BGen Rafael T Crame, Quezon City



MEMORANDUM

FOR : See Distribution

FROM : D, ITMS

SUBJECT : **Time it takes for a hacker to crack your password**

DATE : May 4, 2022

1. Reference: 2022 Hive Systems Password Table (attached).
2. Above reference pertains to the updated password table of Hive Systems showing the strength of a password against brute force cracking attempt, based on the password's length and complexity.
3. Relative to the above, said password table shows the importance of using long, complex password in securing your accounts online. It is reported that 11 character passwords with a combination of upper and lower cases, number, and symbols take longer time for hackers to crack.
4. In addition to the attached password table, listed below are some tips on how to create strong password for your accounts:
 - A. Do not use personal information in creating a passwords;
 - B. Dont tell anyone your password;
 - C. Watch for attackers trying to trick you into revealing your password through email or calls;
 - D. Use different passwords for various accounts;
 - E. Use Multifactor authentication (Mfa/2fa); and
 - F. Utilize a password manager to remeber passwords.
5. In this regard, this Service recommends in following the password table in creating passwords.
6. Further, disseminate the same to all personnel to raise awareness on being cybersafe and reduce the risks of password cracking. Attached is a copy of the password table for uploading for maximum information dissemination.
7. You may visit itms.pnp.gov.ph to download learning materials regarding cybersecurity under the Computer Security Tab. Should you have any inquires and concerns, you may contact ISSD at 8723-0401 local 6546 or e-mail us at issd.itms@pnp.gov.ph.

8. For widest dissemination.


HARRIS R FAMA
 Police Brigadier General *af.*

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NO	NAME	DESIGNATION	PHONE	EXTENSION
1	ALONZO	ADMN	2500	
2	ALONZO	ADMN	2500	
3	ALONZO	ADMN	2500	
4	ALONZO	ADMN	2500	
5	ALONZO	ADMN	2500	
6	ALONZO	ADMN	2500	
7	ALONZO	ADMN	2500	
8	ALONZO	ADMN	2500	
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60	ALONZO	ADMN	2500	

PASSWORD CRACKTIME



Time it takes for a hacker to crack a Password

Number of Characters	Numbers Only	Lowercase Letters	Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters, Symbols
4	INSTANTLY	INSTANTLY	INSTANTLY	INSTANTLY	INSTANTLY
5	INSTANTLY	INSTANTLY	INSTANTLY	INSTANTLY	INSTANTLY
6	INSTANTLY	INSTANTLY	INSTANTLY	INSTANTLY	INSTANTLY
7	INSTANTLY	INSTANTLY	2 secs	7 secs	31 secs
8	INSTANTLY	INSTANTLY	2 mins	7 mins	39 mins
9	INSTANTLY	10 secs	1 hour	7 hours	2 days
10	INSTANTLY	4 mins	3 days	3 weeks	5 months
11	INSTANTLY	2 hours	5 months	3 years	34 years
12	2 SECS	2 days	24 years	200 years	3k years
13	19 SECS	2 months	1k years	12k years	202k years
14	3 mins	4 years	64k years	750k years	16M years
15	32 mins	100 years	3M years	46M years	18N years
16	5 hours	3k years	173M years	38N years	92BN years
17	2 days	69k years	9BN years	179BN years	3TN years
18	3 weeks	2M years	467BN years	11TN years	438TN years

#WeServeAndProtect

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723-04-01 local 6555



Source: HiveSystems