

# Complex Password Guide



## Tips For Password Security

- ✓ Keep your passwords private – never share a password with anyone else
- ✓ Do not write down your passwords, use a password manager instead
- ✓ Use passwords of at least eight (8) characters or more (longer is better)
- ✓ Use a combination of upper case letters, lower case letters, numbers, and special characters (for example: !, @, &, %, +) in all passwords
- ✓ Avoid using people's or pet's names, or words found in the dictionary; it's also best to avoid using key dates (birthdays, anniversaries, etc.)
- ✓ Substituting look-alike characters for letters or numbers is no longer sufficient (for example, Password" and "P@ssw0rd")
- ✓ A strong password should look like a series of random characters

## How To Create A Strong, Complex Password

Here's a way to make a strong password that's very hard to crack:

| FOLLOW THESE STEPS  | EXAMPLE                              |
|---|--------------------------------------|
| 1 Think of a phrase or sentence with at least eight words. It should be something easy for you to remember but hard for someone who knows you to guess. It could be a line from a favorite poem, story, movie, song lyric, or quotation you like.                         | I Want To Put A Dent In The Universe |
| 2 Remove all but the first letter of each word in your phrase.  | IWTPADITU                            |
| 3 Replace several of the upper-case letters with lower case ones, at random.  | iWtpADitU                            |
| 4 Now substitute a number for at least one of the letters.<br>(Here, we've changed the capital "I" to the numeral 1).   | iWtpAD1tU                            |
| 5 Finally, use special characters ( \$, &, +, !, @) to replace a letter or two -- preferably a letter that is repeated in the phrase. You can also add an extra character to the mix. (Here, we've replaced the "t" with "+", and added an exclamation point at the end.) | iW+pAD1tU!                           |



## Why This Matters

Traditional passwords can be cracked by hackers in less than a minute! Follow this guide to create passwords that would take centuries to crack.