

THE NetworkGuy

FEBRUARY 2025 \ VOLUME 6 \ ISSUE 2

What's Inside...

[Multifactor Authentication Bypass](#)

[Learn from The Network Guy](#)

[The Network Guy Quiz Challenge](#)

[Things That Make You Go Hmm...](#)

[PenTeleData is Proud to Serve Hellertown, PA](#)

[Long Winter or Early Spring?](#)



Learn from The Network Guy

How do I create strong passwords?

The Network Guy:

Simple passwords, such as 12345, or common identifying information, like birthdays and pet names, are not safe for protecting important accounts holding personal information. Using an easy-to-guess password is like locking the door but leaving the key in the lock.

The good news is that creating and storing strong passwords with the help of a “password manager” is one of the easiest ways to protect ourselves from someone logging into our accounts and stealing sensitive information, data, money or even our identities.

When you choose to create passwords on your own, follow these steps:

Make them long. The more letters, numbers, and characters you use, the stronger your password will be. Consider using paraphrases.

Make them random. Names, birthdays, and hobbies can be easily guessed by anyone who searches for your name on the Internet.

Make them unique. Use a different strong password for each of your accounts.

Consider a reputable password manager that can generate and save your passwords.

Last, but certainly not least, use multifactor authentication (MFA) for all accounts. It's an extra layer of security that is well worth your time.

Multifactor Authentication Bypass

Multifactor Authentication (MFA) is an added layer of protection for online accounts. Unfortunately, it isn't perfect. MFA is used to protect, sensitive data and systems difficult for hackers to break into your computer system. Hackers have found ways to bypass MFA protections. These attacks can be divided into two families, software-based attacks and social engineering-based attacks.

Some of the attacks hackers use include malware, man in the middle attacks, misconfigured or out-of-date software, and credential stuffing. Hackers may also impersonate log in pages, rely on MFA fatigue, gain access to messaging systems, or utilize SIM swapping.

You can help prevent MFA Bypass on your accounts by following a few steps:

- > **Change your passwords regularly.**
- > **Never reuse old passwords.**
- > **Never use the same password for multiple accounts.**
- > **Create passwords with complexity.**

The Network Guy Quiz Challenge

PenTeleData is giving one lucky winner a \$150 Amazon Gift Card. Just visit www.ptd.net/quiz-challenge by **February 28, 2025** to answer the contest question. We will select a winner at random from all correct entries. **Good Luck!**

Click the **Quiz Challenge** link and choose which step is incorrect for preventing MFA Bypass on your accounts.



Things That Make You Go Hmmm...

Fox has sold out ad space for the 2025 Super Bowl, the company announced during its quarterly earnings call. Thirty-second spots for the Big Game sold for approximately \$7 million each, up from about \$6.5 million during this year's CBS broadcast—though Fox cited “record pricing” for the space.

The Super Bowl is consistently the most watched US broadcast, attracting an average of 123.4 million viewers this year, per Nielsen.

The Super Bowl will take place on February 9, 2025 in New Orleans at the Caesars Superdome, home to the New Orleans Saints with a capacity of 83,000 spectators.

Seven teams who qualified for the playoffs as wild-card teams have won the big prize. The first was the Oakland Raiders in 1980 and most recently the Tampa Bay Buccaneers in 2020.

The Super Bowl halftime show, a 12- to 15-minute musical extravaganza and one of the most coveted slots on the U.S. music calendar, will feature Grammy-winning hip hop artist Kendrick Lamar this time.

According to ticket marketplace TickPick, the cheapest get-in price for Super Bowl LIX will be around \$6,600, while the average ticket price is \$9,500.

The two Super Bowl teams split 35% of the tickets, the host team receives 5% and the remaining 29 NFL teams each get around 1% and hold lotteries among their season-ticket holders.

The NFL retains 25% of the tickets for media members, business and community partners. The league also gives away 500 tickets.

“Vengeance won’t change the past, mine or anyone else’s. I have to become more. People need hope. To know someone’s out there for them.”

- Bruce Wayne, *The Batman*

PenTeleData is Proud to Serve Hellertown, PA

It was in 1738 that two brothers, Simon and Christopher Heller, joined the crowd of Palatinate German immigrants who were headed to Penn’s colony. Pennsylvania offered a place to own a farm or start a business, something that was nearly impossible for them to do in the over-crowded semi-feudal Holy Roman Empire of which the German speaking Palatinate was a part.

It was brother Christopher who got the first patent for the land in 1742. Brother Simon followed later in 1746. Together they created a large plantation that they named Delay. Why they gave that name to the future Hellertown is apparently unknown. Perhaps it had something to do with the time gap between the time Christopher got his land patent and the time Simon finally got his.

In the 1740s Pennsylvania was the property of William Penn’s son, Thomas Penn, who sold to the Heller brothers. Nearby, founded in 1741, was the Moravian town of Bethlehem.

The Heller brothers’ community prospered. The Revolution, the creation of the United States and the War of 1812 came and went. In 1820 the little town had 13 houses, 18 families, 3 taverns, one mill and 73 inhabitants. Its chief product was linseed oil.

By the mid-1840s industry began to arrive with the first coal yard. Shortly thereafter, the Lower Saucon Iron Furnace ushered in the iron age and by 1856 the North Philadelphia Railroad, eventually taken over by the Lehigh Valley Railroad, was laying tracks. A prominent Philadelphia investor, Rodolphus Kent, built Hellertown’s first railroad station.

Kent is listed in the 1870 Philadelphia U.S. Census as running an insurance business. He was a close associate of Robert Sayre, right hand man to the Lehigh Valley Railroad’s founder Asa Packer. Kent even named his son Robert Sayre Kent after him.

By the early 1870s Hellertown was booming with a population of 1,000, three hotels, churches, and many industries. The worldwide Panic of 1873 eventually caused the slow death of the iron industry. Only Bethlehem, which had successfully made the transition from iron to steel, survived with Bethlehem Steel.

Since that time Hellertown has thrived and prospered but has not forgotten its rich history as imagined by the Heller brothers so long ago.

Source: www.wfmz.com/features/historys-headlines/historys-headlines-the-hellers-of-hellertown/article_59f11bb8-5a54-11ef-8d9f-efca584bb7f5.html

Long Winter or Early Spring?

A popular tradition in the United States, Groundhog Day has origins clouded in the mists of time with ethnic cultures and animals awakening on specific dates. It is the day that the Groundhog comes out of his hole after a long winter sleep to look for his shadow. If he sees it, he regards it as an omen of six more weeks of bad weather and returns to his hole. If the day is cloudy and, hence, shadowless, he takes it as a sign of spring and stays above ground.



The best-known Groundhog Day ceremony occurs each year in Punxsutawney, Pennsylvania. This annual festival traces its origin to 1887, when members of the local Elks Lodge first went to nearby Gobbler’s Knob to consult a groundhog about the weather. The observance developed into an annual ceremony at which the groundhog, given the name “Punxsutawney Phil” in the 1960s, communicates his prediction to the “Inner Circle,” a group of men wearing formal suits and top hats. Though it’s only one of many Groundhog Day ceremonies held all across the United States and Canada, the Punxsutawney event is likely most popular, especially since it became the basis of the renowned philosophical comedy film *Groundhog Day*, which the Library of Congress inducted into the National Film Registry in 2015.