# **CTF Challenge: Website Security Assessment - Using Why No Padlock**



# **1. Introduction**



Padlock Tool helps diagnose why a website does not have a secure padlock icon in the browser's address bar, which indicates a secure HTTPS connection. This challenge will introduce you to using Why No Padlock? to identify and resolve issues preventing a secure connection for a specific domain.

# **2. Tools and Requirements**

Access to the internet and search for **Whynopadlock**

# **3. Scenario**



You are a web developer tasked with ensuring that your company's website displays the secure padlock icon in the browser's address bar. Your job is to use Why No Padlock? to analyze the website and identify any issues preventing a secure HTTPS connection.

# **4.Process to follow while performing CTF**

1. Go to **Whynopadlock:** [**https://www.whynopadlock.com/**](https://www.whynopadlock.com/)

2. Search: Enter the domain[**https://hbh.sh**](https://hbh.sh)in the secure Address field and click on the **test page** option.

3. Solve the CTF.

# **5. Let’s Begin the Challenge**

**Question**

**Flag 1: What is the Name of Certificate Issuer name:**

*Answer: Google Trust Services LLC*

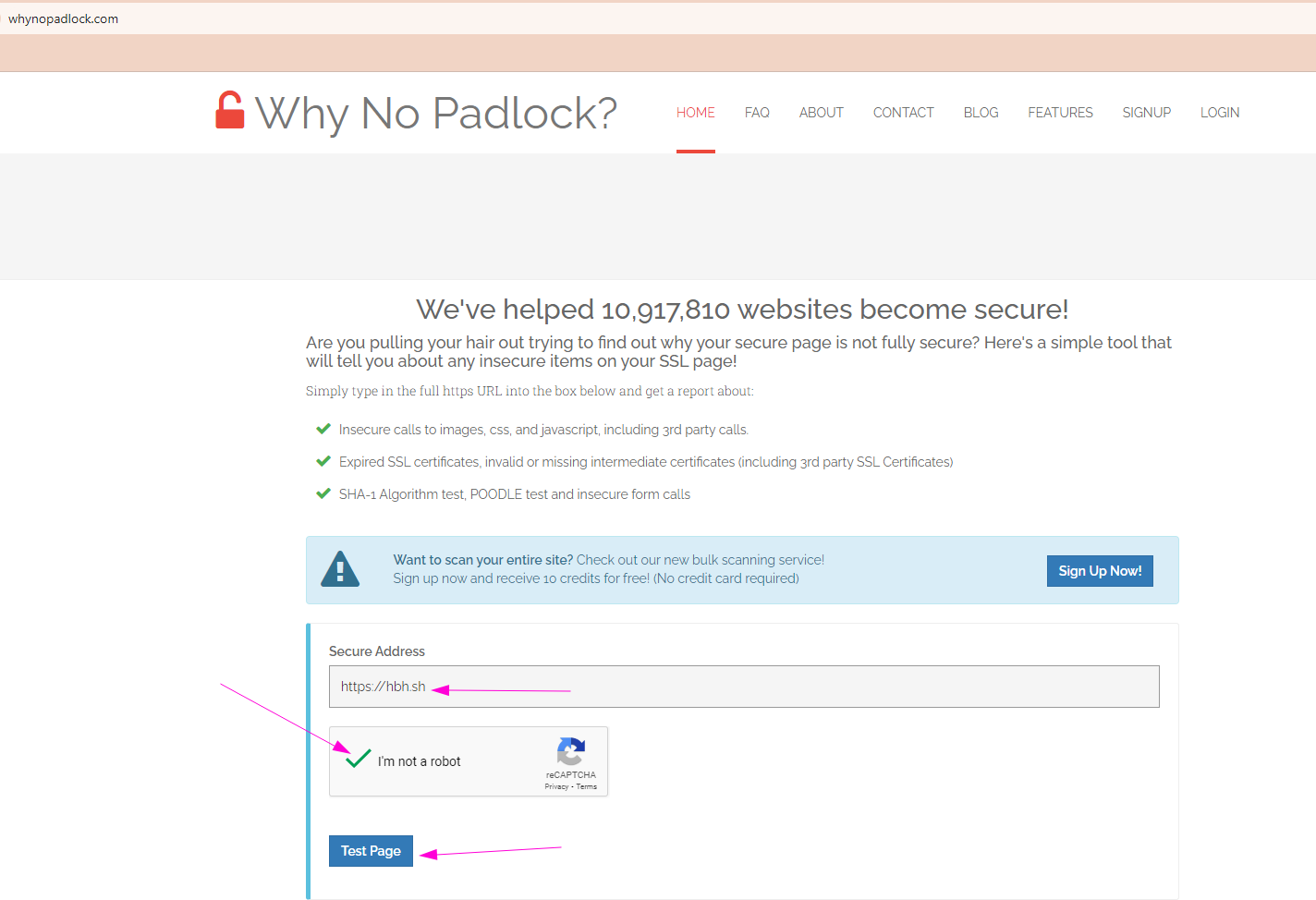
**Flag 2: What is the Type of Certificate?**

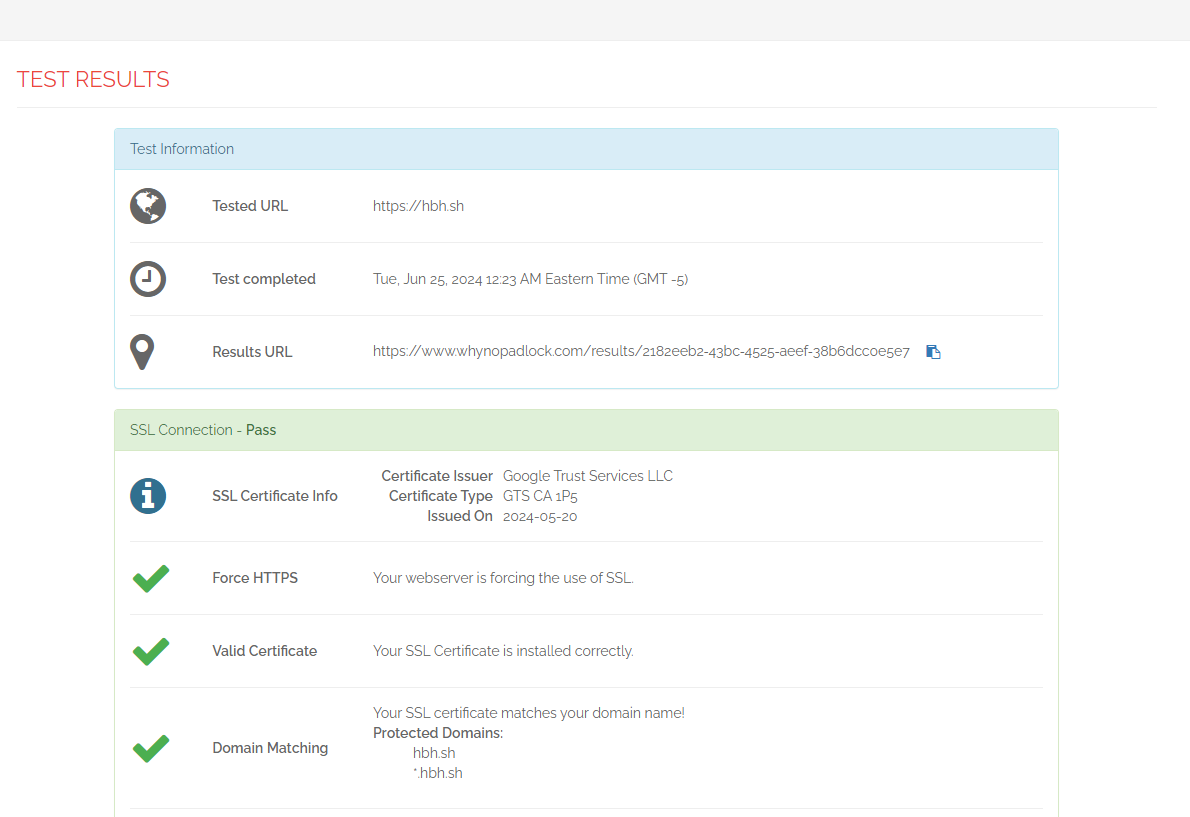
*Answer: GTS CA1P5*

**Flag 3: Which Encryption Signature has been used by SSL certificate?**

*Answer: sha256WithRSA*

**Hint:**





A screenshot of a computer

Description automatically generated