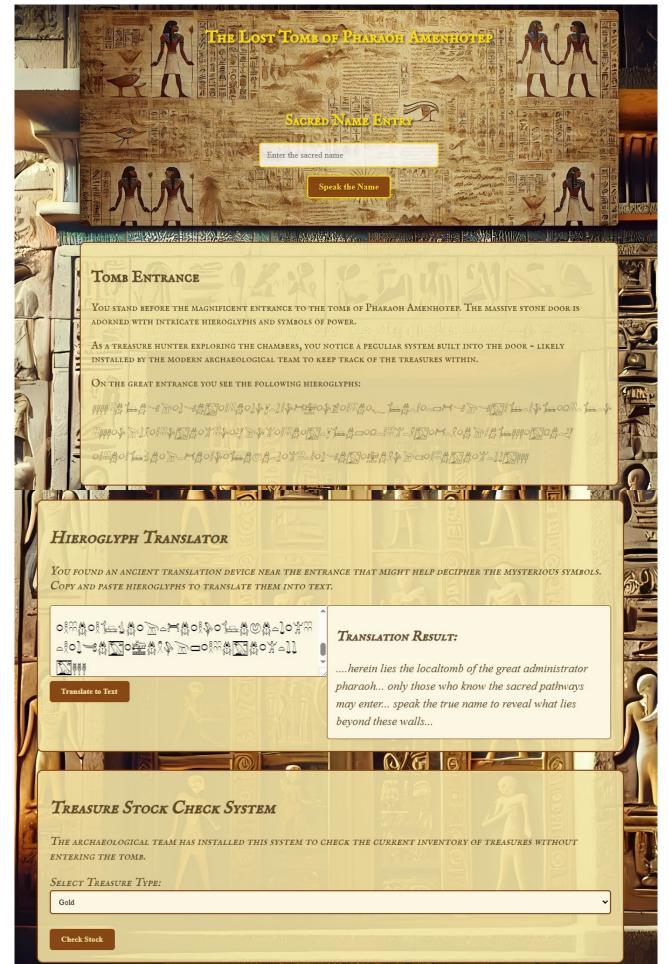
The Lost Tomb of Pharaoh Amenhotep

DarkTemplar Kleopatras_Klantarslen



As we enter the site we can see three ways we can input things on the site. The Sacred Name Entry, the Hieroglyph Translator and the Treasure Stock Check System.

If we translate the hieroglyphs visible on the site we get

"....herein lies the localtomb of the great administrator pharaoh... only those who know the sacred pathways may enter... speak the true name to reveal what lies beyond these walls..."

Hmm, this seems like the admin is called pharaoh. Let's keep that in mind. The challenge is supposed to be about SSRF, I haven't had much experience with that before. So let's read up on it.

I found this article https://portswigger.net/web-security/ssrf

SSRF attacks against the server

In an SSRF attack against the server, the attacker causes the application to make an HTTP request back to the server that is hosting the application, via its loopback network interface. This typically involves supplying a URL with a hostname like 127.0.0.1 (a reserved IP address that points to the loopback adapter) or localhost (a commonly used name for the same adapter).

That's an interesting paragraph, especially when we consider the hints we got from the heiroglyphs. Could it be a cheeky wordplay? That we should use localtomb instead of localhost? I don't know yet. But let's start looking to find what else see what else we can do.

Checking the source we see that an API call gets sent to a server to fetch the stock for the items in the inventory. This looks like a prime vector. If we can somehow make it fetch something else, we can get the ball rolling.

```
Connection: keep-alive
Solution: keep-alive
SarcophagiAPI=http%3A%2F%2Fpharaohtreasures.com%2Fcontents%2Fgold
```

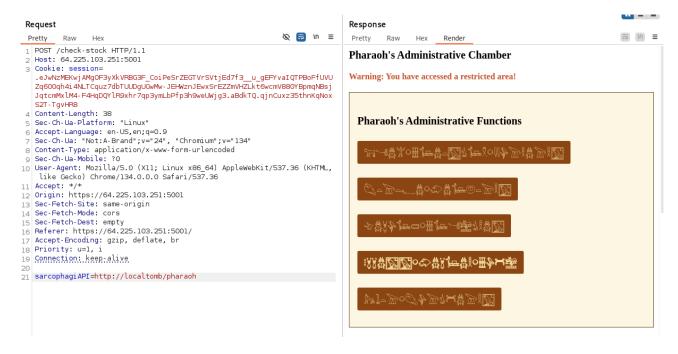
Intercepting the POST in Burp Suite, we see that it has formed a URL out of some variables. Let's see if we can modify this and get some interesting behaviour. So I'll send it to Repeater to tinker with the URL.

With both http://localhost/contents/gold and http://127.0.0.1/contents/gold

We get the actual expected response that tells the stock. And removing the /contents/gold path we a 404 error. Same if we change it to something else. Hmm, what if we tried the idea we got from the hint? And use localtomb instead of localhost. And adding /pharaoh.

http://localtomb/pharaoh

Success!



Now we're getting somewhere. We have 5 differeent buttons. But what do they mean? I'll copy the heiroglyphs and run them through the translator.



Okay, so we have

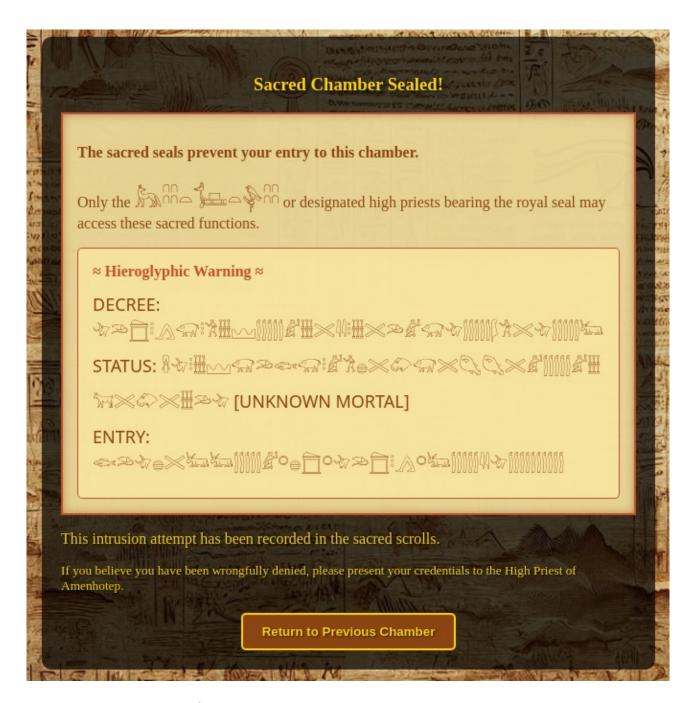
View Treasury Contents # Who wouldn't be interested in money? But that's not why we are here. Manage Servants # Could also be fun, but still not right.

Record Tributes # Boring

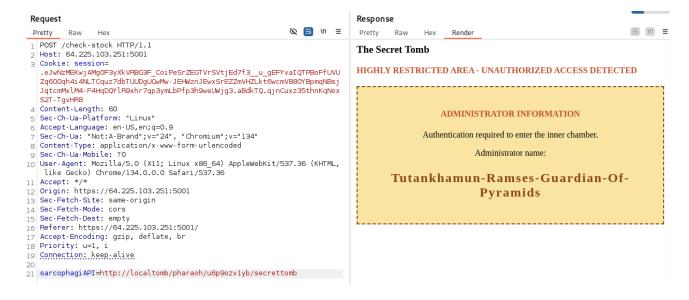
Access Secret Tomb # Allright! That's what we want.

Plan Monuments # No time, have, to, get, flag

If we look in the form for the interesting button, we see that it would send us to another part of the filesystem on the server. And that is the only button that does that. So let's check it out.



Okay, minor set back. We feel like we're on the right trail tho. But since we were able to access the panel with SSRF, maybe we can access this site as well.



Perfect! Now we have the name of the admin. So let's try pasting that in the sacred name input on the main site.



Bingo! We get another flag.