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TRANSFORM

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Are you sure you're doing that right? —a mock hearing



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United States Magistrate Judge
United States District Court for the Northern District of California

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Judge Advocate General's Corps
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Agenda for the mock hearing

We lay our scene and Call to Order

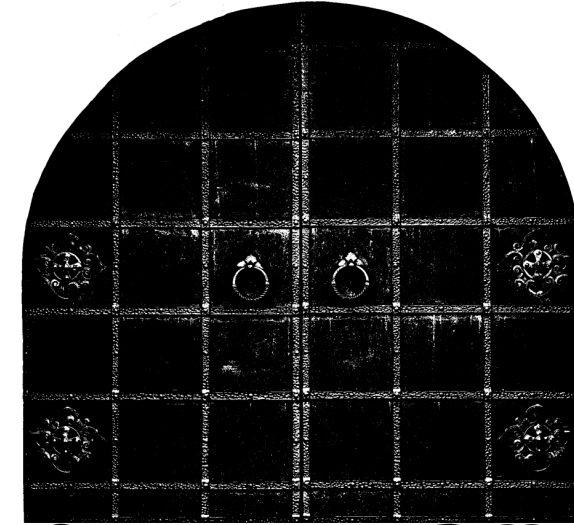
Fact witness testimony

Legal argument

Decision & commentary by Judge Beeler



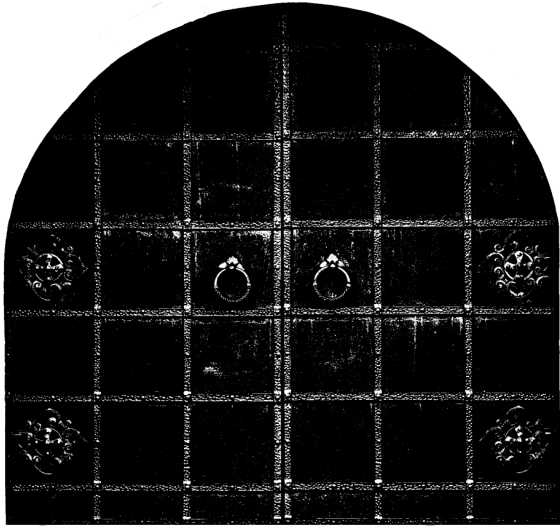
- Secure gathering enclave service
- Applications are differentiator
- Bespoke applications
- Rigorous development process
- Developers use MFA
- Thorough regression testing



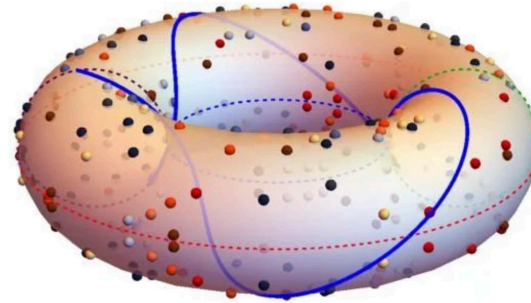
SHIBBOLETHS-R-Us

- Identification and authentication
- Equivalent development environment
- Yearly assessment by external auditor
- Annual risk assessment
- Monthly vulnerability scanning
- 3rd party annual penetration testing

Zero can make a difference



SHIBBOLETHS-R-US



ANSI X9.62

If r' is not an integer in the interval $[1, n-1]$...
If s' is not an integer in the interval $[1, n-1]$...
...then reject the signature.



The aftermath

- Digital signatures are properly verified; incorrect signatures fail.
- Attackers, supplying a zero for ECDSA verification, pass.
- They acquire trade secret information of Technidigitronic.
- Public disclosure causes dramatic drop in valuation.
- Technidigitronic sues Islands In The Sea and Shibboleths-R-Us.
- Multiple lawsuits; no severing but mock focus on the above.
- On 8 June 2022 in the Moscone federal court...

Dramatis Personæ

- United States Magistrate Judge Laurel Beeler
 - Sitting by appointment
- Steven Teppler, *Esquire*
 - Retained Counsel for Technidigitronics.
- Robin Crabtree, *Esquire*
 - Retained Counsel for Islands In The Sea
- Julie Lewis
 - President of Shibboleths-R-Us
- Hoyt L Kesterson II
 - VP Information Services, Islands In The Sea, and the Greek Chorus

Oyez!

Oyez!

Oyez!



These will be on the final

- Is there an obligation to verify that the vendor's software implementation and delivery practices satisfy the contractual requirements?
- Is there an obligation to control the introduction of third-party software into the production environment as rigorously as it controls the introduction of its own software?
- Is suing a provider of software services and a company who supplies a component of that service any different from suing a car company and a supplier of tires that failed?

Your players



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