

# Kalles / Group

**SPOT THE FED**  
**SEPT. 2023**



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**SPOT THE FED**

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**MASTODON, THE FEDIVERSE,  
AND WHY YOU CAN'T RUN SERVERS  
LIKE IT'S 1999**

**TARIQ YUSUF, CIPP/US**  
Senior Privacy Engineering Consultant – Kalles Group



# SPOT THE FED



## **TARIQ YUSUF**

CIPP/US

Senior Privacy Engineering

Consultant - Kalles Group

## **Agenda**

1. About Kalles Group
2. How We Got Here
3. Legal Challenges
4. Impact on instance Admins
5. Design Considerations



**SPOT THE FED  
ABOUT KALLES GROUP**

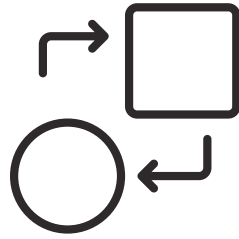
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**WE DELIVER INDUSTRY-LEADING  
EXPERIENCES AND OUTCOMES.  
WE PARTNER WITH CLIENTS  
TO TRANSFORM & GROW  
THEIR ORGANIZATIONS.**





**SPOT THE FED  
ABOUT KALLES GROUP**

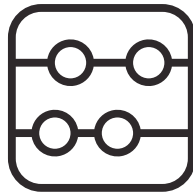


**TAILORED  
CHANGE**

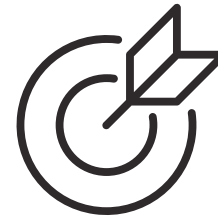


**PRACTICAL  
SERVICES**

**KALLES  
GROUP**



**PROGRAMMATIC  
EXECUTION**



**OUTCOME  
FOCUS**



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HOW WE GOT THERE**

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**IN THE BEGINNING...  
THERE WAS GEOCITIES**





# Welcome To ...

## UNIVERSE

# Q

You are now embarking on a journey through space on spacecraft QMJ71716 to explore the world in universe Q!!....

Are you ready for a cool ride??

First turn on your speakers REAL LOUD?? Take a listen to this space song!!

ascendol s 2.8

Live UPDATE

<<< SCROLL DOWN THE PAGE NOW >>>

**SPOT THE FED  
HOW WE GOT THERE**



# THE INTERNET CIRCA 1999

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**HOW WE GOT THERE**

Internet is primarily  
information-based

Setting up webservers  
requires a lot of technical  
steps

Relatively little public  
knowledge of tangible  
security and privacy risks

Limited regulation





**SPOT THE FED**  
**HOW WE GOT THERE**





# TODAY

Internet is primarily  
Social-based

Privacy and Trust  
Regulation

Public generally aware  
of security risks (if not  
knowledgeable)

**SPOT THE FED**  
**HOW WE GOT THERE**



# FEDERATION ENTERS THE CHAT

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HOW WE GOT THERE



- Social Media
- Traditional Sites



- Crypto, web3
- Mastodon, Bluesky



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LEGAL CHALLENGES**

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**AS THE TECHNOLOGY BECAME  
EASIER TO DEPLOY, THE LEGAL AND  
POLICY CHALLENGES INTENSIFIED**





# LEGAL CHALLENGES

While the technical challenges have eased, legal and policy challenges pose new threats and increase litigation exposure

## GDPR

Et. AI.

### PRIVACY LEGISLATION

- Privacy Rights
- Data Portability
- Compliance Requirements

## §230

### CONTENT MODERATION

- Protects Moderation
- Reforms being evaluated



### COPYRIGHT

- Safe Harbor Registration
- DCMA Takedown Notices



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**THESE CHALLENGES ONLY GET  
BIGGER FOR INSTANCE ADMINS**





# IMPACT ON INSTANCE ADMINS



## Technical.

- Reliability/Availability
- Security
- Privacy Protections

## Financial.

- Smaller instances self-funded.
- Well-funded instances may have larger impacts on quality of service.

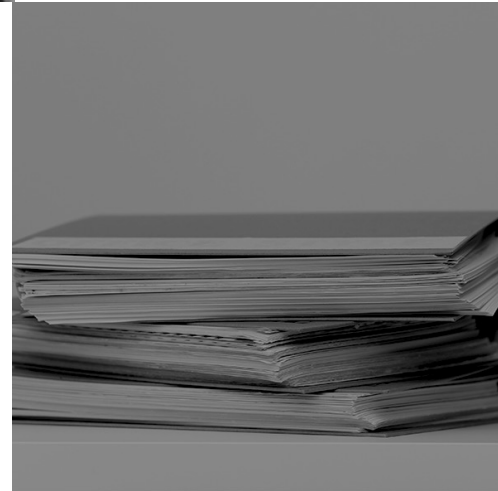


## Policy.

- Beyond general community moderation
- Managing interactions with other spaces
- Lack of shared knowledge

## Legal.

- Individual liability
- CSAM, National Security





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**A DECENTRALIZED FUTURE  
REQUIRES AN APPROACH THAT  
CONSIDERS VARIABLE RESOURCES**







# FUTURE DESIGN CONSIDERATIONS

- HOW TO BRING SOME OF THE ADVANTAGES OF CENTRALIZED SERVICES TO DECENTRALIZED PARTIES
- TECHNICAL CONSISTENCY
- USER EXPERIENCE CONSISTENCY



**SPOT  
THE FED**

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**BUILD FOR THE BIG FISH  
AND THE LITTLE ONES...**

**THANK  
YOU**

# QUESTIONS?

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Kalles / Group

CYBERSECURITY AND TECHNOLOGY CONSULTING