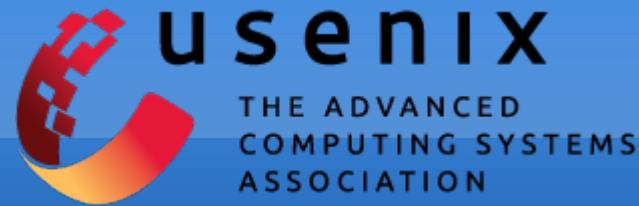


Pushing Puppet



James Shubin
@purpleidea

The Technical Blog of James

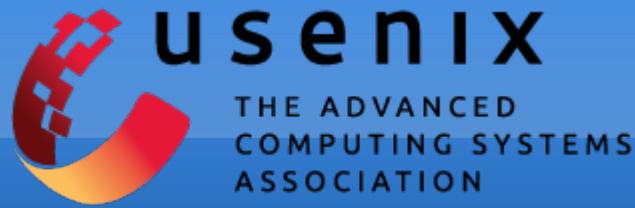
<https://ttboj.wordpress.com/>

<https://github.com/purpleidea/>

November 5th, 2013

LISA, Washington D.C.

Pushing Puppet



Who am I?

Who am I?

- ✓ **DevOps / I.T. Architect**

Who am I?

- ✓ **DevOps / I.T. Architect**
- ✓ **Technical Blogger: TTBoJ**

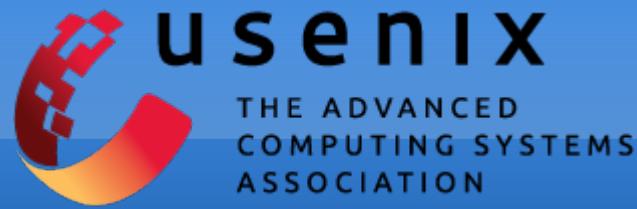
Who am I?

- ✓ **DevOps / I.T. Architect**
- ✓ **Technical Blogger: TTBoJ**
- ✓ **Puppet Hacker**

Who am I?

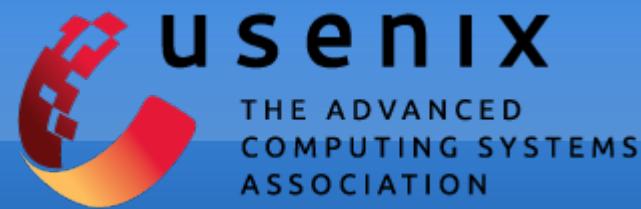
- ✓ **DevOps / I.T. Architect**
- ✓ **Technical Blogger: TTBoJ**
- ✓ **Puppet Hacker**
- ✓ **Physiologist (Cardiology)**

Pushing Puppet



Thanks for having me at...

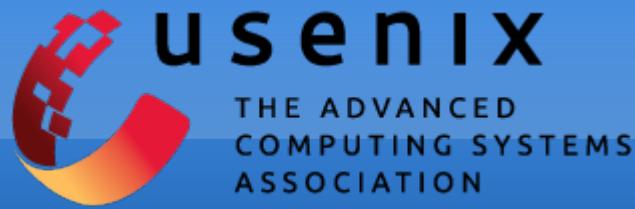
Pushing Puppet



Thanks for having me at...

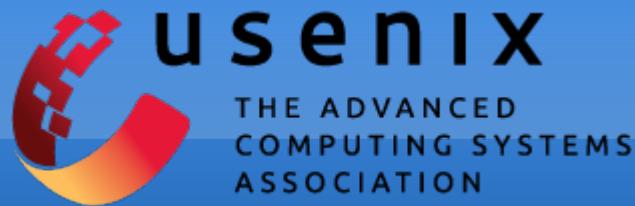


Pushing Puppet



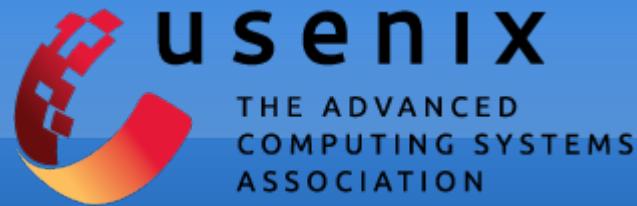
Okay

Pushing Puppet



Why?

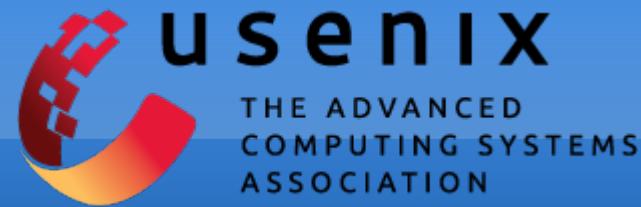
Pushing Puppet



Why?

Because: Puppet hacks

Pushing Puppet

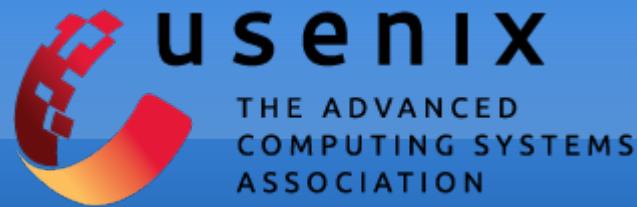


Why?



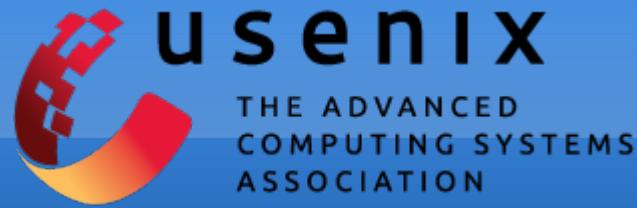
Because: Puppet hacks

Pushing Puppet



How?

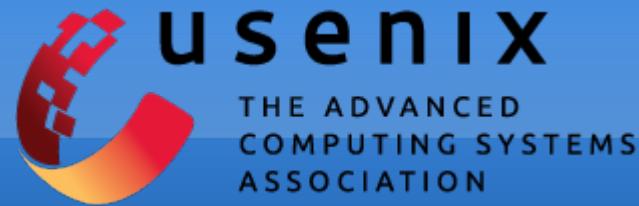
Pushing Puppet



How?

Hacks all the way down...

Pushing Puppet

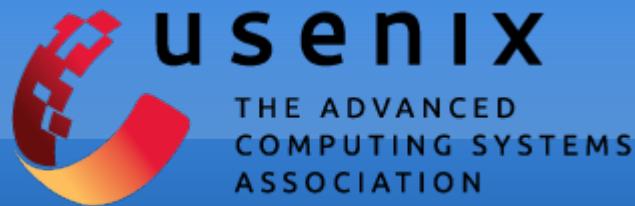


How?



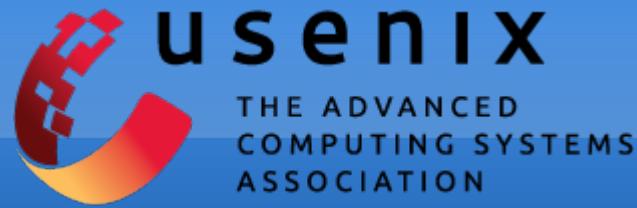
Hacks all the way down...

Pushing Puppet



What?

Pushing Puppet

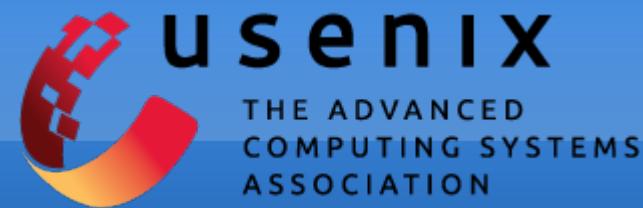


What?

Examples...

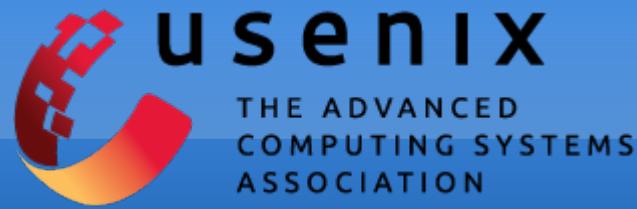


Pushing Puppet



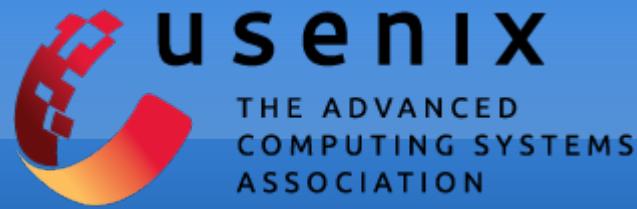
Show them, Beaker.

Pushing Puppet



★★★ Recursion ★★★

Pushing Puppet



(demo)

Problems?

- ✓
- ?

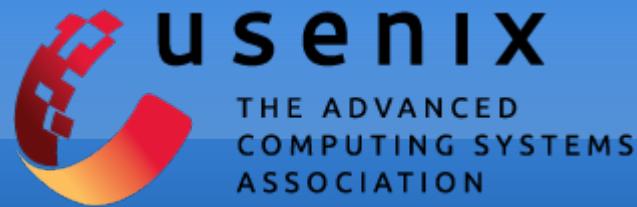
Problems?

- ✓ Functions can't return values
- ✓ ?

Problems?

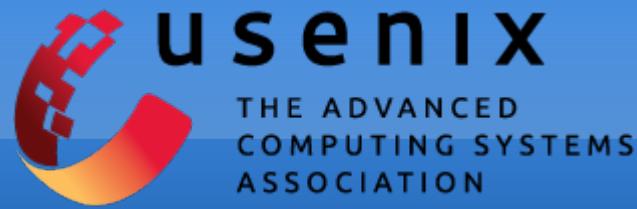
- ✓ **Functions can't return values**
- ✓ **Few practical uses**

Pushing Puppet



★★★ Fibonacci ★★★

Pushing Puppet



(demo)

Problems?

- ✓
- ?

Problems?

- ✓ Requires multiple runs
- ✓ ?

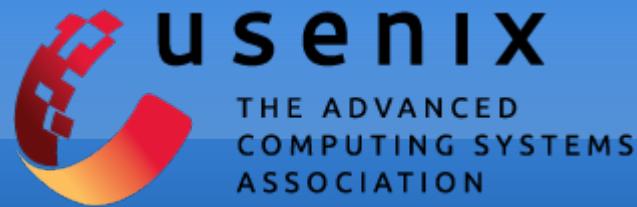
Problems?

- ✓ Requires multiple runs
- ✓ Fewer practical uses

Homework hack:

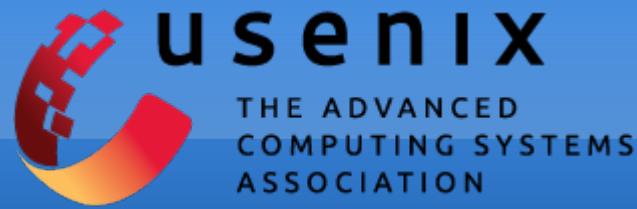
- ✓ F(Ackermann)
- ✓ [https://en.wikipedia.org/wik..._function](https://en.wikipedia.org/wiki/Ackermann_function)

Pushing Puppet



★★★ Exec['again'] ★★★

Pushing Puppet



(demo)

Problems?

- ✓
- ?

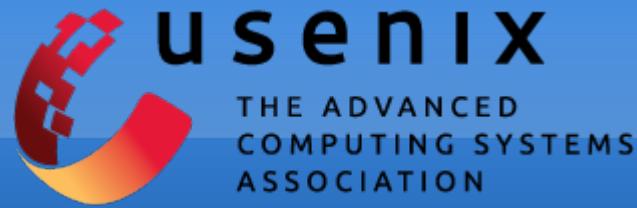
Problems?

- ✓ Not native to Puppet
(could be optimized)
- ✓ ?

Problems?

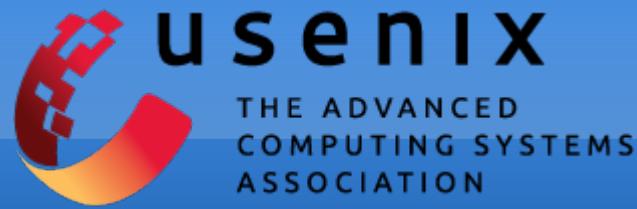
- ✓ Not native to Puppet
(could be optimized)
- ✓ This is actually awesome.

Pushing Puppet



★★★ Timers ★★★

Pushing Puppet



(demo)

Problems?

- ✓
- ?

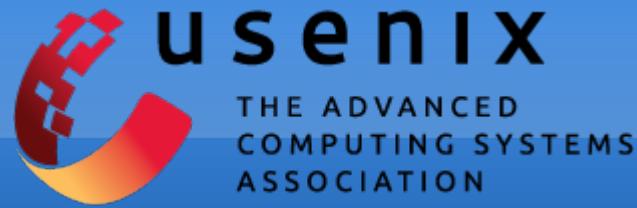
Problems?

- ✓ Not precise
- ✓ ?

Problems?

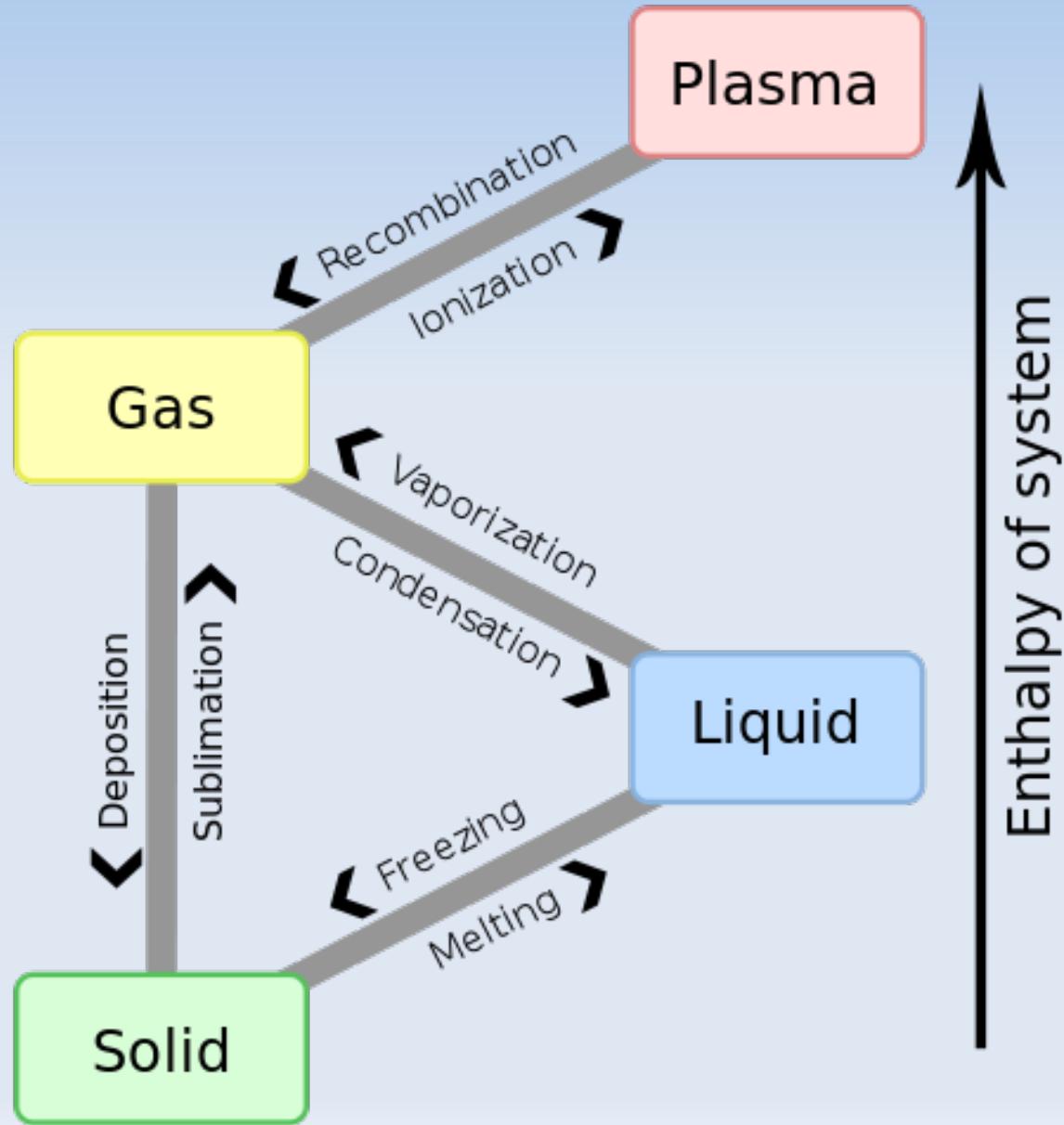
- ✓ Not precise
- ✓ Very useful for modules,
eg: Puppet-DRBD

Pushing Puppet

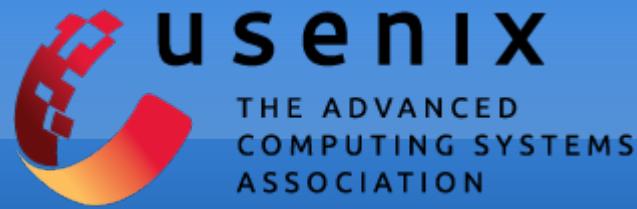


★★★ **FSM/FSA** ★★★

Pushing Puppet



Pushing Puppet



(demo)

Problems?

- ✓
- ?

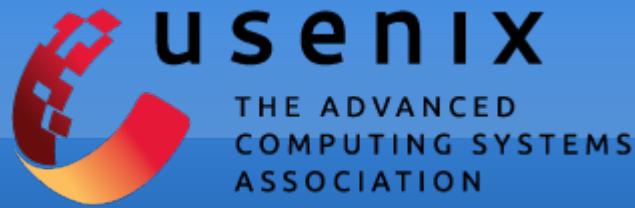
Problems?

- ✓ Hard to implement
(should be native)
- ✓ ?

Problems?

- ✓ Hard to implement
(should be native)
- ✓ Logic is quite complex...

Pushing Puppet



Learning, so you can be pro

Learning, so you can be pro

- ✓ Master simple skills first

Learning, so you can be pro

- ✓ Master simple skills first
- ✓ Build outrageous hacks

Learning, so you can be pro

- ✓ Master simple skills first
- ✓ Build ~~outrageous~~ hacks

Learning, so you can be pro

- ✓ Master simple skills first
- ✓ **Build awesome hacks !!!**

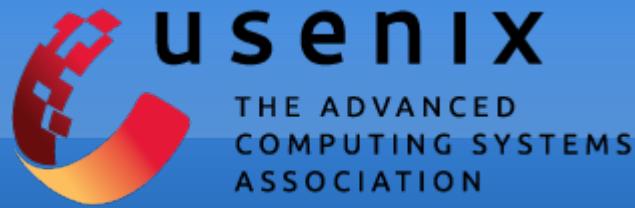
Learning, so you can be pro

- ✓ **Master simple skills first**
- ✓ **Build awesome hacks !!!**
- ✓ **Read my blog / code ?**

Learning, so you can be pro

- ✓ Master simple skills first
- ✓ **Build awesome hacks !!!**
- ✓ **Read my blog / code ?**
- ✓ **??? Profit**

Pushing Puppet



Examples and more James!

Examples and more James!

- ✓ **Puppet-Gluster (sweet!)**

Examples and more James!

- ✓ **Puppet-Gluster (sweet!)**
- ✓ **Puppet-IPA (FreeIPA)**

Examples and more James!

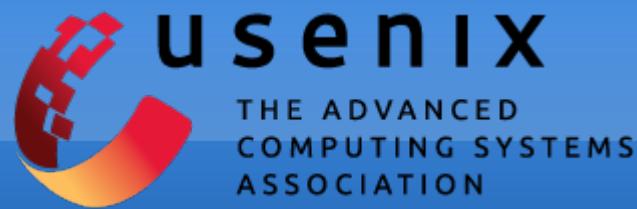
- ✓ **Puppet-Gluster (sweet!)**
- ✓ **Puppet-IPA (FreeIPA)**
- ✓ **Invite me to Talk / Teach**

Examples and more James!

- ✓ **Puppet-Gluster (sweet!)**
- ✓ **Puppet-IPA (FreeIPA)**
- ✓ **Invite me to Talk / Teach**
- ✓ **Consulting / Architecting**



Pushing Puppet

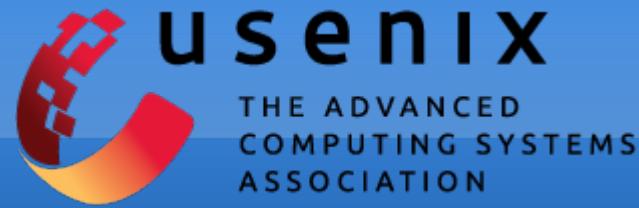


Statler: What was that? Waldorf: That was very strange. S: It was very weird.

W: It was peculiar. S: It was kind of amusing. W: Yes, it was rather funny.

S: It was incredibly funny! W: I loved it! S: Hilarious! Both: More! Encore! Encore!

Thank You / Q&A



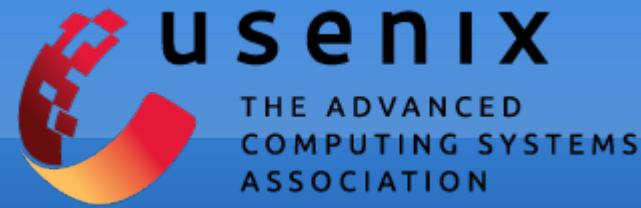
James Shubin
@purpleidea

The Technical Blog of James

<https://ttboj.wordpress.com/>

<https://github.com/purpleidea/>

Thank You / Q&A



James Shubin
@purpleidea

The Technical Blog of James
<https://ttboj.wordpress.com/>
<https://github.com/purpleidea/>

