

switch to  
**.bw** //



**DNSSEC DEPLOYMENT:.bw EXPERIENCE**  
Moakofi Kamanga

# AGENDA



- ❖ Introduction to .bw
- ❖ DNSSEC ROADMAP
- ❖ NETWORK ARCHITECTURE
- ❖ DNS OUTAGES
- ❖ CHALLENGES
- ❖ LESSONS
- ❖ Q&A

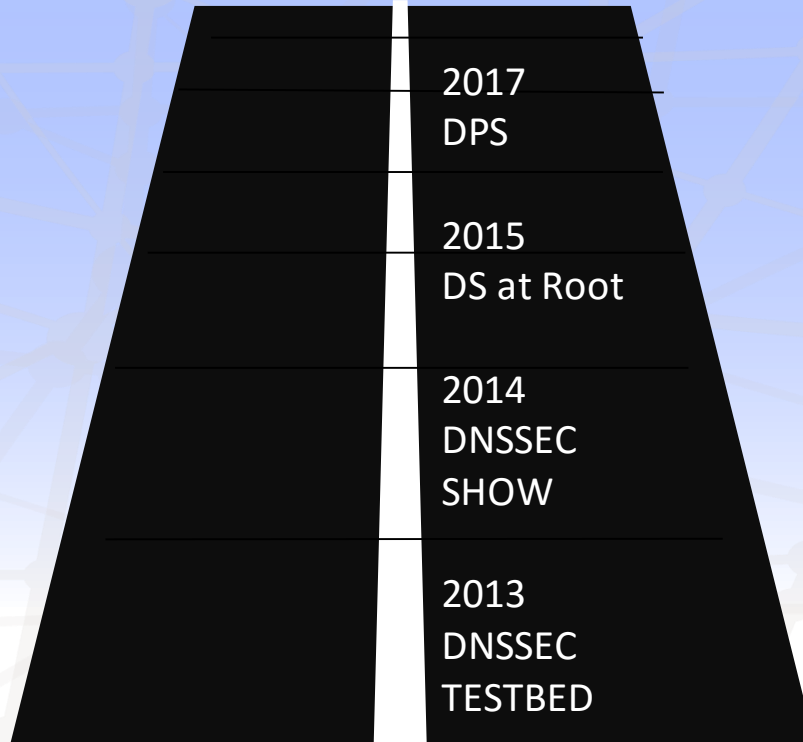


# .bw IN A NUTSHELL



- ❖ Delegated to BOCRA
- ❖ Employs the 3R model
- ❖ Open to international Registrars
- ❖ CoCCA registry software
- ❖ 6461 names
- ❖ .gov.bw delegated to DIT(not signed)

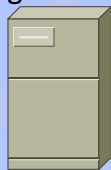
# ROADMAP



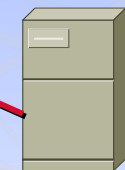
# ARCHITECTURE



Hidden Zone Gen  
unsigned



Hidden  
Signed  
zones



Sec



Sec



Signer



- ❖ Opendnssec
- ❖ Softhsm
- ❖ RSA/SHA256
- ❖ KSK 1yr(2048)
- ❖ ZSK 90dys(1024)
- ❖ NSEC3

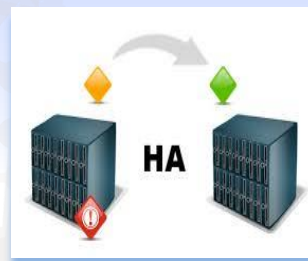
# DNS OUTAGES



- ❖ 25<sup>th</sup> Dec 2015 to 6<sup>th</sup> Jan 2016
- ❖ Sept 20<sup>th</sup> to Sept 25<sup>th</sup> 2016
- ❖ Nov 21<sup>st</sup> to Nov 23<sup>rd</sup> 2016



# CHALLENGES



# LESSONS



Easy to break hard to fix !!!





thank you!