DNSSEC DEPLOYMENT: .bw EXPERIENCE
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AGENDA

❖ Introduction to .bw
❖ DNSSEC ROADMAP
❖ NETWORK ARCHITECTURE
❖ DNS OUTAGES
❖ CHALLENGES
❖ LESSONS
❖ Q&A
• Delegated to BOCRA
• Employs the 3R model
• Open to international Registrars
• CoCCA registry software
• 6461 names
• .gov.bw delegated to DIT (not signed)
ARCHITECTURE

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

Diagram:
- Hidden Zone Gen unsigned
- Hidden Signed zones
- Anycast
- Sec
- Sec
- Signer

IPv6 Ready
DNS OUTAGES

❖ 25\textsuperscript{th} Dec 2015 to 6\textsuperscript{th} Jan 2016
❖ Sept 20\textsuperscript{th} to Sept 25\textsuperscript{th} 2016
❖ Nov 21\textsuperscript{st} to Nov 23\textsuperscript{rd} 2016

What are they doing?
CHALLENGES
LESSONS

Easy to break hard to fix !!!
thank you!