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Modern Democracy – An overview

- Global transition towards modernising all aspects of the election process
 - Campaign awareness
 - Voter registration
 - Voter outreach
 - Public consultations and participation events
 - Electronic voting

Modern Democracy – An overview



Everyone Counts – Experience and expertise

- Class-leading: Provider of secure e-voting solutions having delivered several "breakthrough" e-voting projects
- Broad and Deep Expertise: Team comprised of internationally recognized experts in public election administration, web technologies, IT security
- Feature-rich Solutions: Client driven development
- Record of Success: Zero election challenges and a 100% success rate in full election certification.



Everyone Counts – Experience and expertise









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E-voting – What are the drivers?

E-voting













Drivers

Universal accessibility

High availability

Rapid provisioning capability

Business process improvement

Reduced hardware investment

Cost reduction potential

Cloud













Considerations:

- Security
- Auditability & Integrity
- Transparency & public trust

Addressing the considerations – Security

- Dedicated hardware instances
- •Isolated logically Dedicated VLANS and strict community usage policies
- •Isolated physically Amazon EC2 for Government
- Collaborative approach No single point of failure

Addressing the considerations – Auditability and integrity

- Pre-election Logic & Accuracy testing
- Independent source code review and verification
- •File integrity checking tamper evidence
- Concept of in session 'audit votes'
- Air-gapped 'decryption' process

Addressing the considerations - Transparency/public trust

- Independent verification of source code
 - "Open-Code Advantage" or Open Source model
- Voter education and outreach
 - Explanation of the process
 - Comparison with the 'traditional process'
- •Engage with the doubters!

Proposed cloud model for e-voting?

- Reality or myth?
 - Reality It's starting to happen
- Key to success
 - Public acceptance
 - Selection of vendor with proven capability
 - Adopt a long term approach

