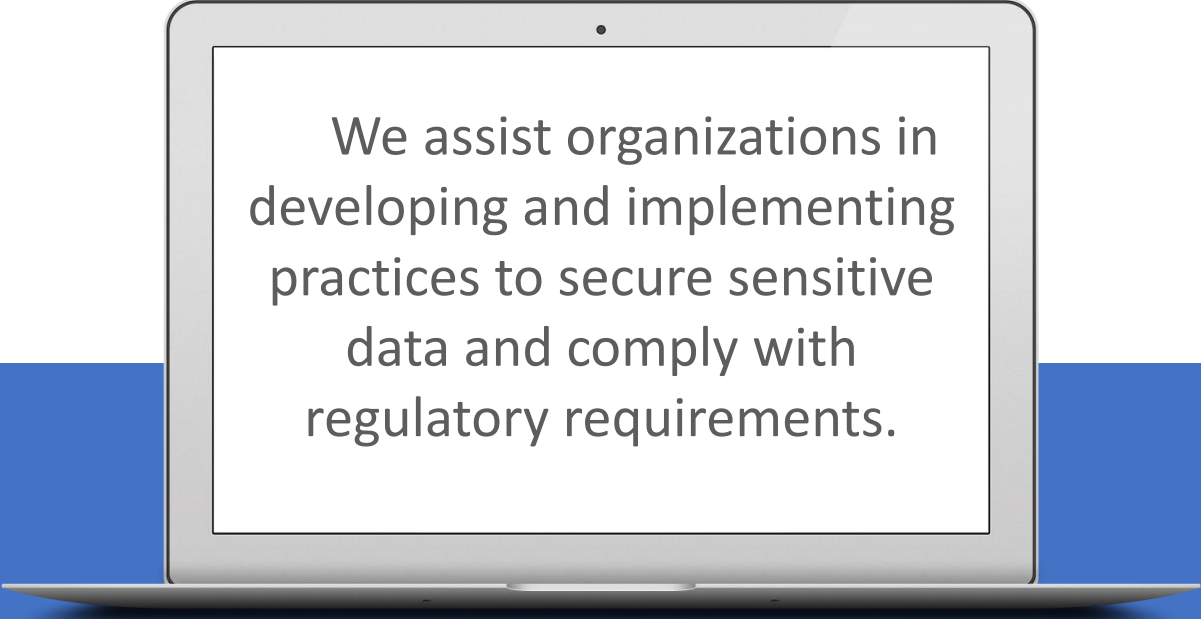


Disaster Recovery and Business Continuity Planning for Information Systems



databrackets
info@databrackets.com
866-276-8309

WHO WE ARE ...



We assist organizations in developing and implementing practices to secure sensitive data and comply with regulatory requirements.



DIY TOOLKIT

DIY assessment, training, customized policies & procedures and much more ...



CONSULTING

Professional services to help you with your Compliance needs



MANAGED SERVICES

Managed compliance and security services to focus on your key business outcome.

DISCLAIMER

Consult your attorney

This webinar has been provided for educational and informational purposes only and is not intended and should not be construed to constitute legal advice.

Please consult your attorneys in connection with any fact-specific situation under federal law and the applicable state or local laws that may impose additional obligations on you and your company.





Kaila Patel

Cyber Security Compliance
Analyst

Kaila's Background

- Security and Compliance
- Cyber Security
- Risk Assessment
- Rotarian
- Member of Information Systems Security Association (ISSA) & Information Systems Audit and Control Association (ISACA).
- Interests : Yoga, Meditation & Ayurvedic lifestyle

AGENDA

- 1 BACKGROUND
- 2 WHY BC/DR IS IMPORTANT
- 3 IMPORTANT STEPS IN BC/DR
- 4 BACKUP & RESTORE SOLUTION
- 5 TABLE TOP EXERCISES
- 6 NEXT STEPS
- 7 Q&A





Business continuity planning and Disaster recovery planning for information systems are the most crucial elements of a business that solely relies on technology but are often ignored. Businesses must make a well-structured plan and document for disaster recovery and business continuation, even before a natural calamity or ransomware occurs. Disasters can be short or may last for a long time, but when an organization is ready for any adversity, it thrives hard and survives.

WHY BC / DR IS IMPORTANT

Health Care providers Electronic Protected Health Information

- Store
- Process
- Produce
- Transfer /Receive

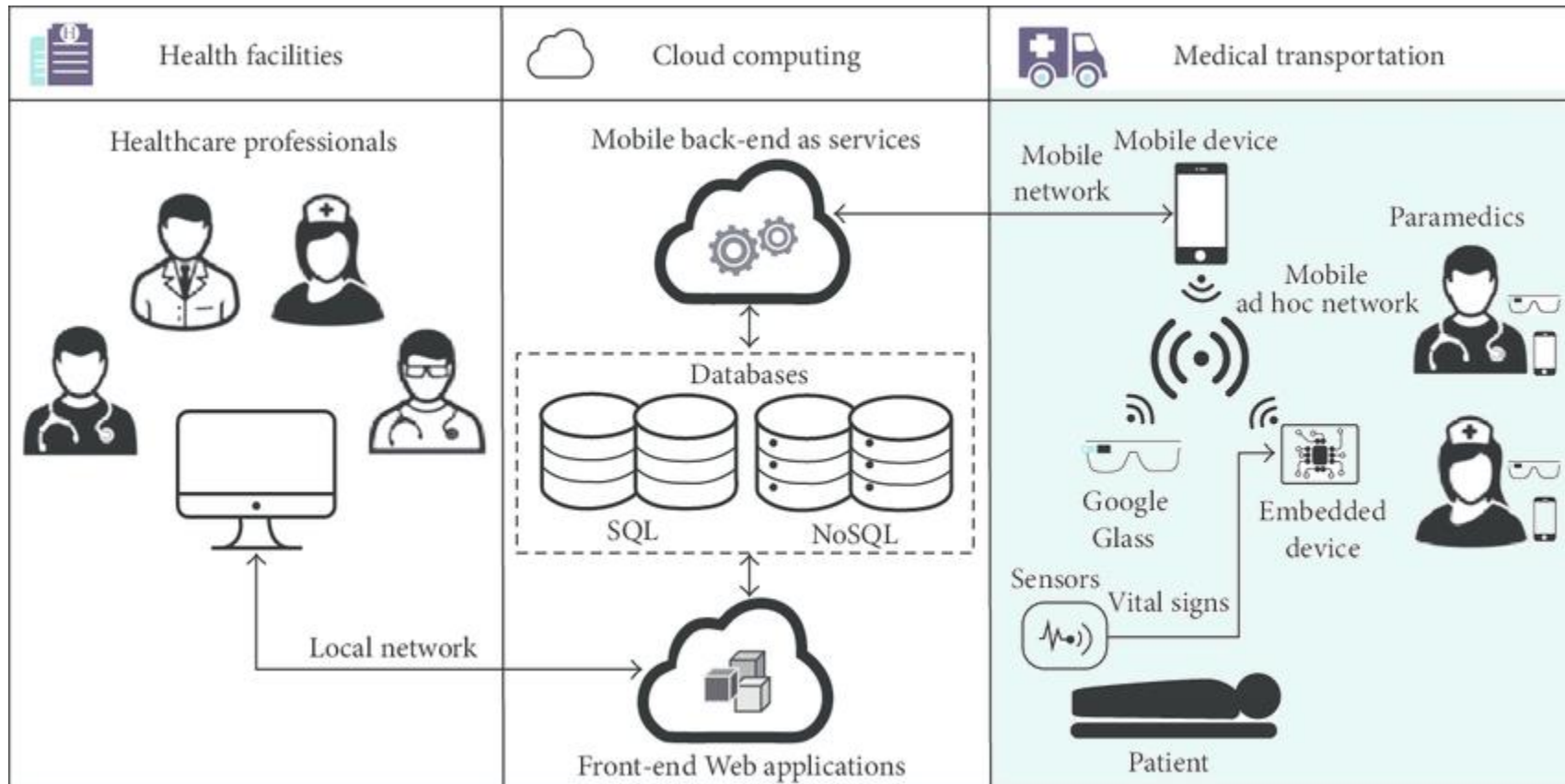
WHY BC / DR IS IMPORTANTcontd



- Ransomware attacks
- Phishing attacks
- Remote Desktop Protocol Vulnerabilities
- Weak Authentication
- Current and former workforce members
- Natural Disasters

WHY BC / DR IS IMPORTANT..... contd

- Access Controls / Logical and Physical access control
- An act of terrorism
- Hardware failure
- Software inconsistencies
- Unintentional / unplanned failures (that is, accidental, such as the breakage of a man-made dam)
- HIPAA Compliance requirements



IMPORTANT STEPS IN BC/DR

- Inventorying
- Conducting a Business Impact Analysis
- Prioritizing
- Planning
- Testing
- Documenting

BACKUP & RESTORE SOLUTION

- Design Backup solution
- Design Restore Solution
- RPO (Recovery Point Objective)
- RTO (Recovery Time Objective)

Design Backup solution

- Develop and design a backup solution that meets the defined RPO and RTO
- Consider risks of relying solely on one solution.
- Know where your data resides (ref architecture diagram on slide 9)
- Separate backup copies of the Operating System files from the application and data.
- 3 copies of critical data
 - On 2 different devices / media, one onsite for fast restore
 - One location specifically offsite protecting from site loss
 - A 3rd disk solution (USB drive for small amount of data or an emergency recovery disk) in case there is no internet access, This solution can be accessed immediately.

- Design Restore Solution
- Test restoring of the data periodically
- At a minimum – restore a single database or application
- Conduct an end to end test after restoring of the database and application.

- ❑ RPO (Recovery Point Objective)
 - ❑ Refers to the amount of data at risk, that potentially could be lost
- ❑ RTO (Recovery Time Objective)
 - ❑ Is a metric used to calculate time for Recovery

TABLE TOP EXERCISES

Who needs to seat at the Table and why?

- Key Roles and Responsibilities
- Thorough coordinated efforts
- Assemble knowledgeable group / SMEs

TABLE TOP EXERCISEScontd

Topics for Table Top Exercises

- Identify short / long term access to critical production operations
- Mission critical application
- Resource / cross training

End Goal is to document a fully populated Disaster Recovery Plan and conduct a dry run of the DR /BC plans

NEXT STEPS

Contact databrackets for free no-obligation evaluation on your Business Continuity & Disaster Recovery for Information Systems assessment needs

866-276 8309 or info@databrackets.com

UPCOMING EVENTS

MIPS/MACRA Security Risk Assessment Requirements for 2019
Attestation – 12/5

Register now >> databrackets.com/webinars

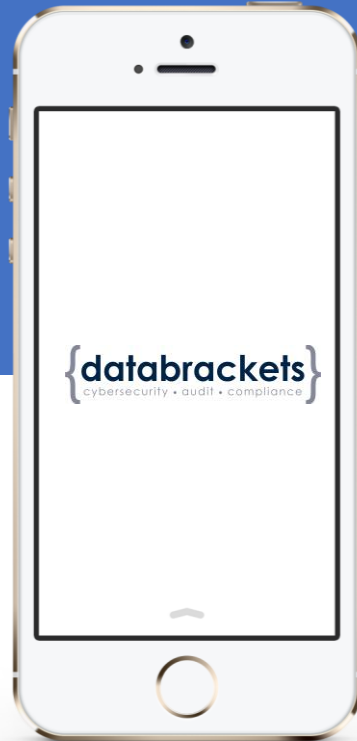
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Questions

Please don't hesitate to ask

Thank You

for your attention!

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Thank you for joining us today

23 October, 2019