Redacting and protecting your Images with PowerShell

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Challenges

Unstructured data growing exponentially – 90% data generated will be unstructured by 2020

Protecting data is a challenge because data is stored in different formats

Many solutions to protect data in databases but little to protect data out of databases.

Information Stored as TIF images such as Insurance claims, check images, Scanned medical records are predominant in the major corporations

There are many different types of TIF images







Use Cases



GB Bank - Have over 2 million multi-page TIFF Images containing monthly bank statements which have sensitive data that need to be redacted.



Bailey's Restaurants – Receipts and credit card info stored as Tiff need to be redacted.

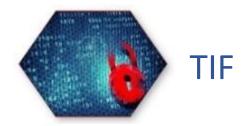


Abraham Insurance Company – Content Management protection. Masking of over 1.5 million insurance claims stored as multi page tiff images.



St Orwell Hospital – Various Doctors notes and patient information scanned and stored as TIF within SharePoint systems need to be redacted due to compliance



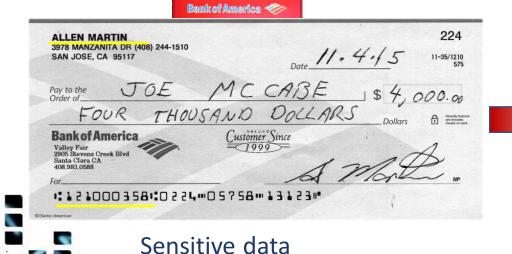


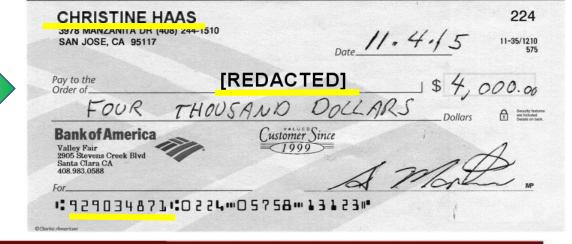


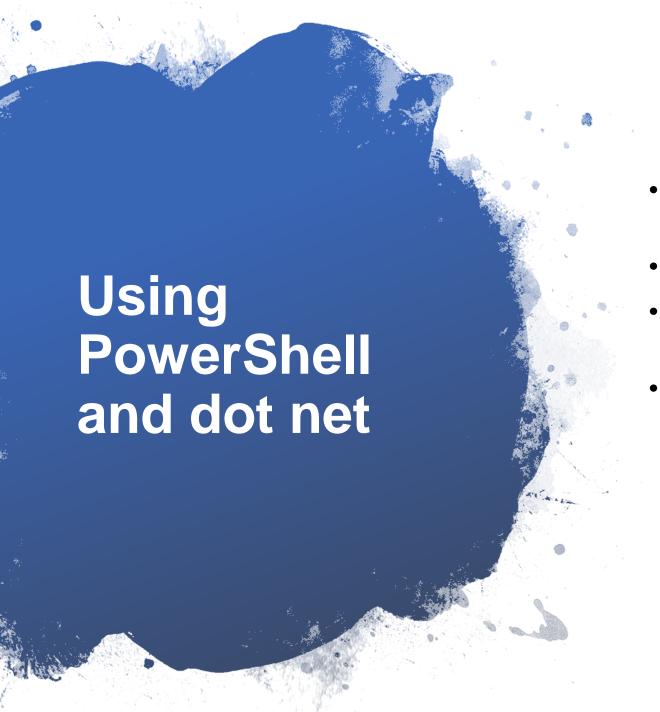
Direct pixel manipulation

- Drivers Licenses. Passports, NID
- W2, Check Images
- MRI, X-Rays
- Insurance Claims
- Schematics, Blueprints
- And more.









- Leverage [System.Drawing.Bitmap] and [system.Drawing.Graphics] libraries
- No need for third party software
- Draw shapes, Text, transparent objects and more
- Handle single page and multipage Tiff images





1 bit depth high compression



high resolution low compression

rotated

multi page



- Set Encoding for TIF
- Get Image
- Read file and create blank canvas
- Create Drawing method
- Load image into it
- Draw on Canvas
- **❖** Save file
- Repeat

