



Managing Tribal Data

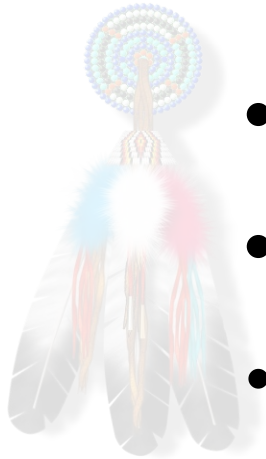
X
XTIRI

XTIRI® has been working with Tribes across the US for over 10 years providing tools to stay on the cutting edge of technology in Data Management and Solutions.



Our Guiding Principles

- **Full Transparency** to Data Source
- Touch The Data **Only Once**
- **All Data must be Private and Secure**
- **Automate** Manual Processes
- Provide **Cutting Edge** Technology



What is the XTIRI® Service



- A Cloud Based Application Development Environment (like a blank slate for you to create)
- A Simple Way to Automate Paper Processes
- Encrypted Private Database (your own private “Google”)
- Date-based Notification Engines
- Document Storage and Management System
- Fully Mobile
- Real-time Support



Tribal Data Management Options



Paper Processes

- Risk of lost documents / Fire, Flood / multiple copies
- Inefficiency

Off the Shelf software programs Excel, Word etc.

- Does not meet your needs, many versions, software and hardware upgrades, licensing, data crash, etc.

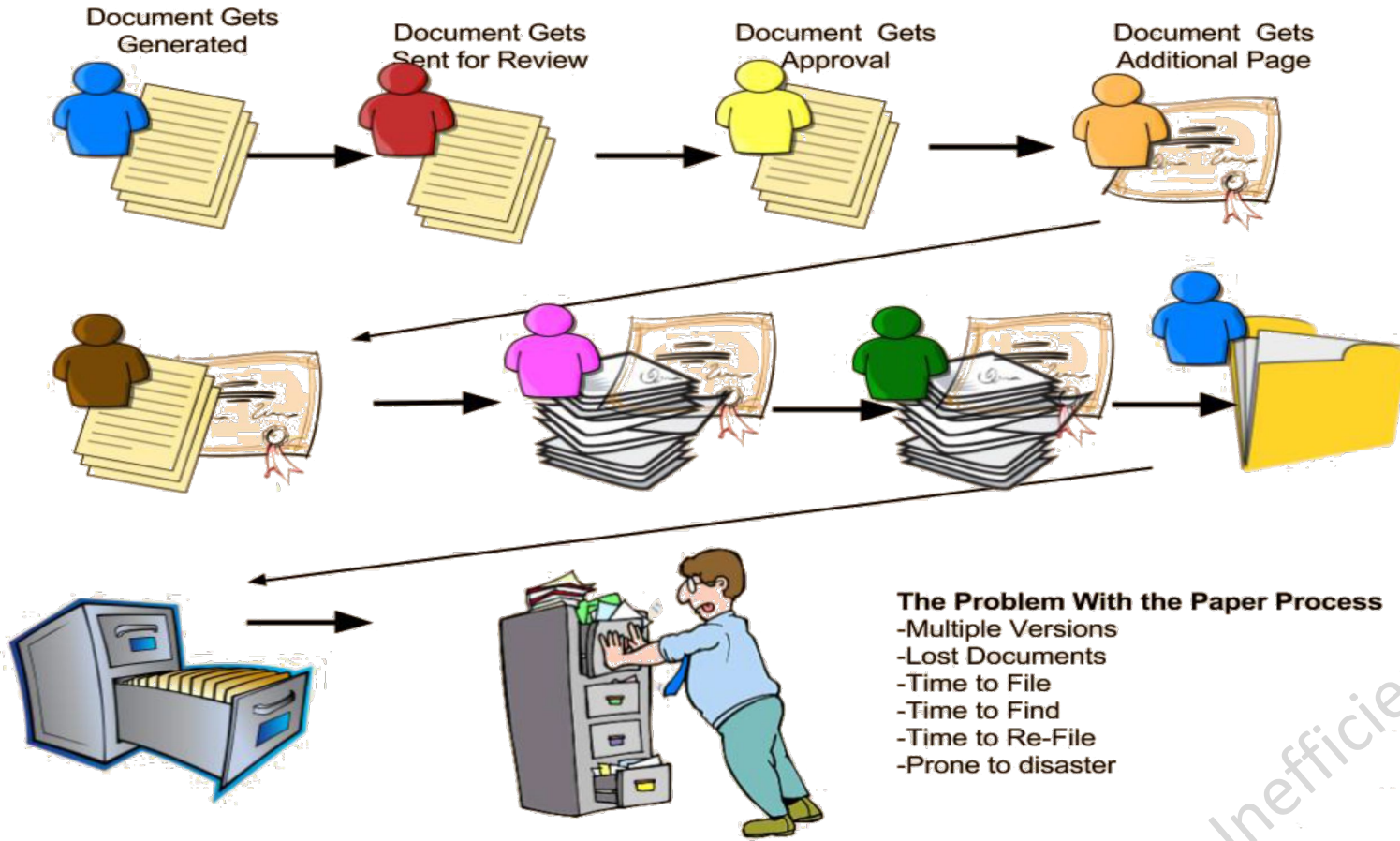
Custom Program (contracted or built in house)

- Creator moves on – Support becomes limited, updates and new features unavailable (often server based)

Legacy Systems

- Expensive! Systems do not speak to each other, not customizable, many features not needed, needed functions not present, costly hardware and infrastructure

Paper Document Management Process



True Cost of Paper

*according to a recent study by PricewaterhouseCoopers



- 4 drawer cabinet: approx. 15,000 sheets, costs up to \$25,000 to fill and \$2,100 annually to maintain
- about 20% staff time is spent searching for documents
- Businesses spend an average of \$20 in labor to file every document, \$122 to find each misfiled document and \$220 to recreate every lost document (approx 7.5% of all documents are lost)
- Lack of Data Security and Confidentiality
- Lack of Disaster Recovery



Three Affiliated Tribes Hit by Ransomware Attack, Holding Tribal Information Hostage



HOW RANSOMWARE WORKS?

1

USER IS INFECTED
BY RANSOMWARE

MALICIOUS
EMAIL
ATTACHMENT



INFECTED
PEN DRIVE



MALICIOUS
WEBSITE



2

ALL DATA ON THE PC
AND NETWORK IS
LOCKED



3

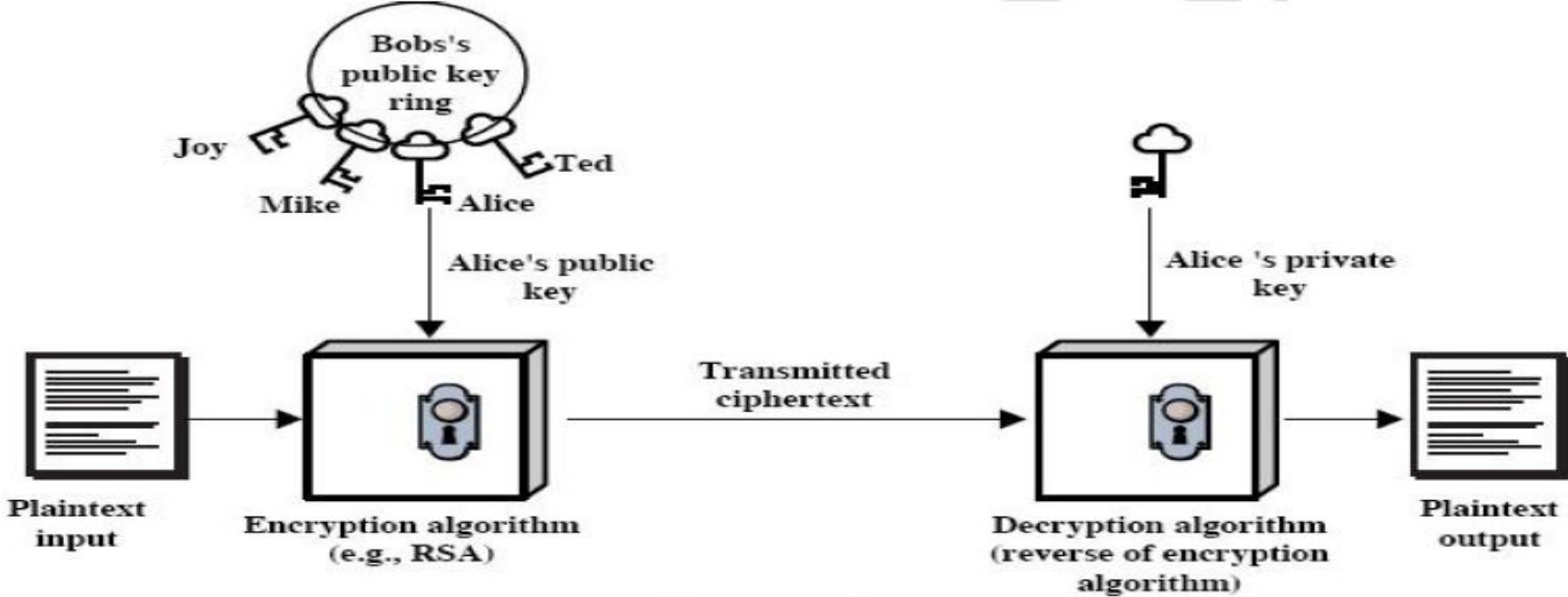
RANSOM DEMAND TO
UNLOCK YOUR DATA



Encryption 101



XTIRI uses 256 bit AES (Advanced Encryption Standard) Encryption with TLS (Transmission Layer Security) as well as SSL (Security Sockets Layer)



(a) Encryption

The Solution





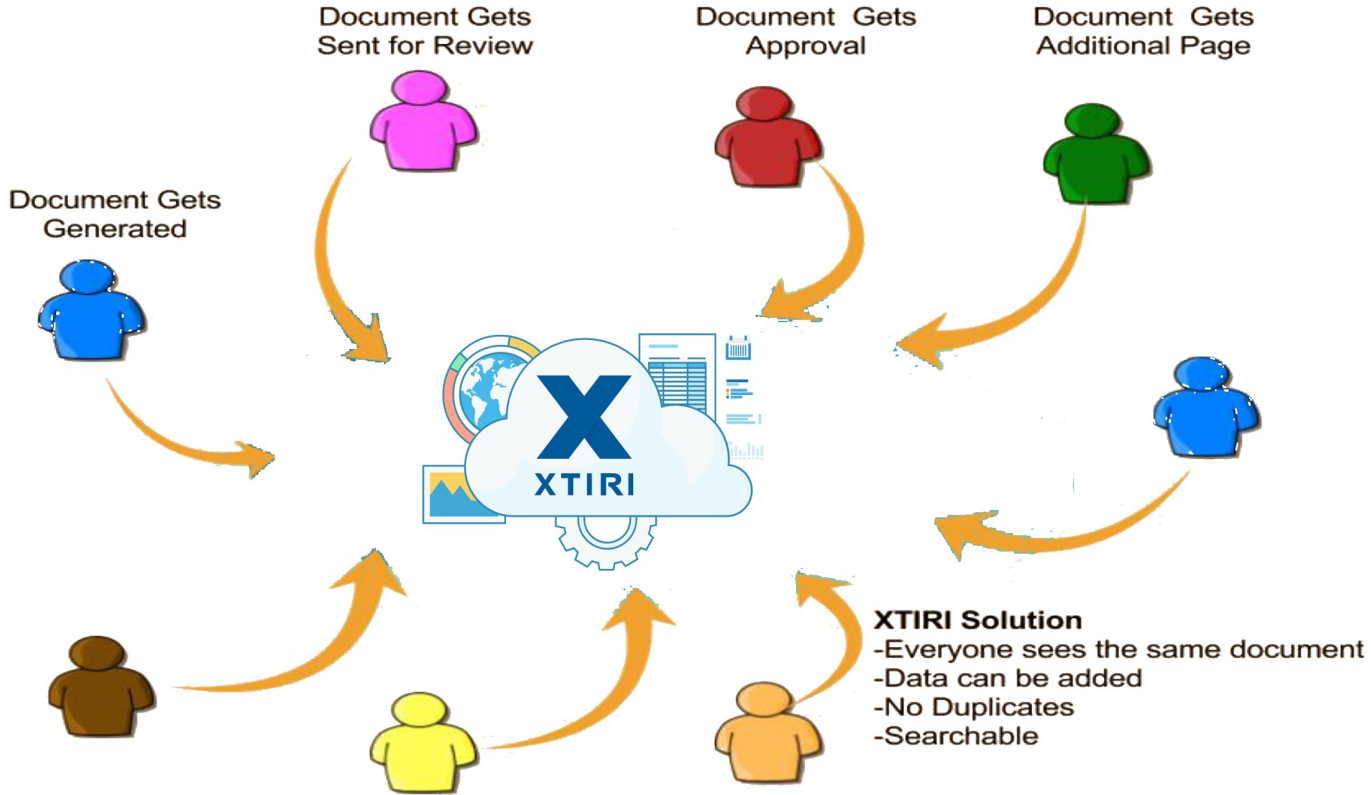
XTIRI® is a “Software as a Service” company.

Reasons to use a SaaS company:

- Data Management is all we do 100% of the time.
- The System is constantly being monitored.
- Privacy and Security are our #1 priority.
- Support is in real time, not waiting for work tickets etc.
- Updates and development is constant and ongoing.
- Easy to add or change elements and features.
- Cloud based allows you to monitor from any device.

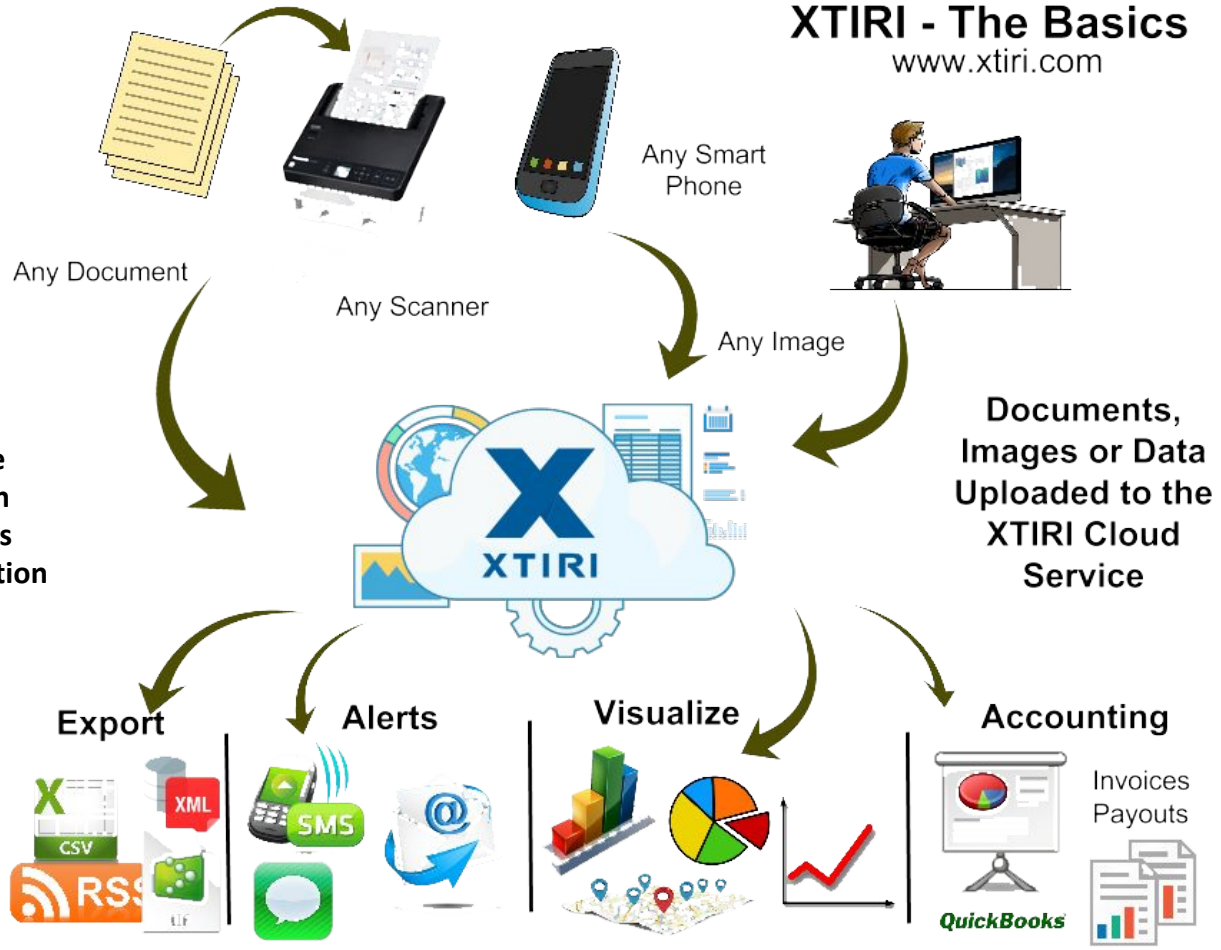


XTIRI Improved Data Management Processes



ALL Based On User Permissions



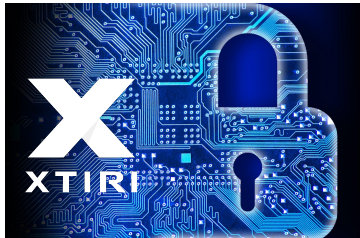


- Paperless or Paper
- Flexible Data Sources
- Platform Independence
- Simplify Data Collection
- Digitize Paper Processes
- Easy Access to Information





Private Tribal Database



Safe, Secure, Private, Searchable and Fully Customizable

XTIRI® is being used in many Departments in Indian Country, including:



- Oil & Gas Production
- Oil & Gas Leases
- TERO
- Transportation
- Compliance Tracking
- Housing
- Enrollment /Elections
- Per Capita
- Resolutions
- Royalty Payment Tracking
- Document Preservation
- Water Rights
- Land Management
- Air Quality
- Grant Management
- Historical Preservation
- Law Enforcement
- Information Tech



Document Management and Preservation



All critical source documents can be uploaded, indexed and preserved.

Examples:

- Lease and Well documents
- Land Records
- Personnel Safety Training Records
- Vehicle Registration / Insurance
- Enrollment Records / Family / Blood Quantum
- Equipment Maintenance Records
- Resolutions / Ordinances / Meeting Minutes
- Historical Documents

Automated Alerts and Notifications



- License and Permit Expirations
- Insurance Renewals
- Safety Inspections
- License / Permit Renewals
- Required Training Schedules
- New Application Uploads
- Site Visits / Compliance Violations



XTIRI is designed to provide Customizable Automated Notifications to **One** or **Multiple** Recipients via Email or Text message (SMS)

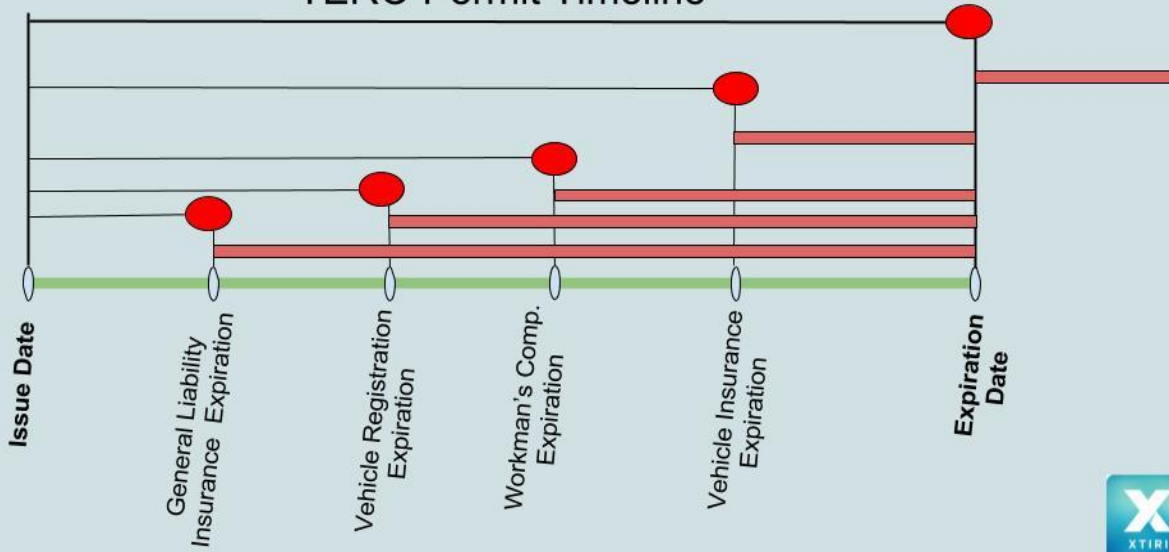
Companies that Work on the Reservation

Compliance Control Points

● Control Point
— Violation Period

Compliance Plans
Tribal Business License
TERO Permits
Access Permits

TERO Permit Timeline



Focused Compliance Enforcement

Automated Expiration Date Reports

Pre Expiration Notifications / Warnings

Post Expiration Citations

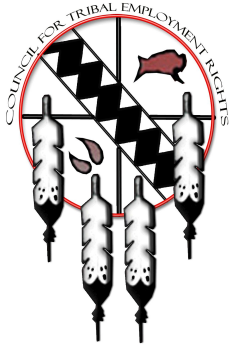
Site Visits with accurate data

Vehicle Registration Tags

Check Compliance at a glance

Evaluate unattended Vehicles





Thank You

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