

Legacy Software Modernization

in time tec

CREATING ABUNDANCE



Achieve your dreams... through our dreams.

Software Modernization... is a Journey



In Time Tec – Company Confidential

Legacy Software



“... systems based on outdated technologies but is critical to day-to-day operations.”

Gartner

Legacy Software

What Technologies?

- Access Databases
- Visual Basic
- FoxPro
- Active Server Pages
- Visual C++ 6.0
- InfoPath
- *Any unsupported software*

How Many in Idaho?

Over 2000 in the state –
but no complete inventory



Legacy



Modern



Legacy



Modern



Legacy Software



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Legacy Software



Survey Results

Agency Software Challenges

1 – Fear that modifying the app will break it

2 – Does not meet current requirements

3 – *All of the above*

- Slow performance
- Crashes frequently
- No vendor support
- Security concerns
- Siloed data
- Hard to use, hard to train staff



Survey Results

“I have an old Access database IT was trying to reconfigure into something new and I've been waiting for 5 years to get it functional. In the meantime, I can't access legacy data.”

“Internally created applications. Files are scattered throughout the environment.”

“Agency databases lurk in dark corners around the state of Idaho.”

Survey Results

Agency Legacy Software is:

- Fragile
- Not meeting business requirements
- Hard to use
- May lack security / have vulnerabilities



Legacy Software – Security Breaches

T-Mobile Data Breach (2021): exposed PII for 50 million customers; caused by a vulnerability in an unpatched software component.

Maryland Motor Vehicle Administration (2020): exposed the personal info of 78,000 drivers; caused by unauthorized access to an Access database.

Capital One Data Breach (2019): PII for over 100 million people was stolen by exploiting a vulnerability in an outdated open-source web application firewall.



Survey Results

Vision for Technology

- Improve citizen and staff experience
- Enhance security
- Leverage modern software features



Survey Results

Agency Goals:

- 1 – Automation of work processes
- 2 – Data-driven decision making
- 3 – Transform delivery of services
- 4 – Reporting and transparency
- 5 – Recruit and retain staff



Survey Results

Modernization Benefits

- 1 – Improve employee experience/satisfaction
- 2 – Improve service / enhance constituent experience
- 3 – Address security issues
- 4 – Eliminate manual processes



Survey Results



What's Stopping Your Agency?

- Staff workload
- Funding
- Don't know options / how to start



Legacy Software



Success Factors

- Agency Commitment / Executive Sponsor
- Funding / Budget
- Purchasing Path / Contract



Next Steps...

- Collaborate and Educate
- It is a Partnership
- Modernization

...is a Journey



Thank You

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