

# LWB 360® Hosting Options: Cloud v On Premises v Hybrid



## OVERVIEW

Our approach to technology delivery is informed by over two decades of learnings from partnering with government agencies and legislatures. At Propylon®, we understand that your business has individual requirements. Our partnership approach to co-developing legislative solutions is grounded in forming a deep understanding of a state's current processes and systems. That way we can build the right solution to meet your needs.

## PROPYLON ON-PREMISES INSTALL: AN OVERVIEW

Propylon's on-premises install lets clients make the most of their infrastructure investments. Following an in-depth review of your requirements, we provide a detailed overview of the necessary hardware and software, assist with implementation and administration if required and provide security best practices so that your systems run in the most performant and secure way possible. As part of our partnership approach, we work with your IT team to customize the setup, taking on as much or as little of the maintenance and deployment as required.

## KEY CONSIDERATIONS

- Maintenance and updates to the system are the responsibility of the client with customized levels of support from Propylon where needed.



*"For over two decades, we've been developing technology solutions for international governments and legislatures across the US.*

*Our mission is to provide solutions that manage complexity and improve the working lives of staff."*

**Dan Murphy**  
Propylon COO

## ON-PREM: PROS AND CONS

### Pros

- Leverage existing infrastructure investments.
- Data managed in-house

### Cons

- Infrastructure maintenance costs
- Upgrading necessitates a high level of resources and staffing.
- Backups can take longer to recover depending on the solution implemented.
- Costly to implement fault tolerance and scaling required to meet the demands of the legislature.

## PROPYLON HYBRID CLOUD MODEL: AN OVERVIEW

Propylon's experts can guide you through the cloud provider's range of hybrid options to ensure the appropriate services are utilized to address the specific need for a hybrid solution. The solution helps you meet compliance requirements and scale without sacrificing your on-premises investments. Systems and software are fully integrated whereby infrastructure on-premises is kept seamlessly in sync with the hosted infrastructure. In the event of a failover, recovery options range from instantaneous to an hour. Propylon can work with your IT team to determine the right balance of hybrid/cloud hosting and provide technical solutions to the various scenarios where a hybrid solution would be required.

### KEY CONSIDERATIONS

- Maintenance and updates can be managed by Propylon using standard cloud tooling.

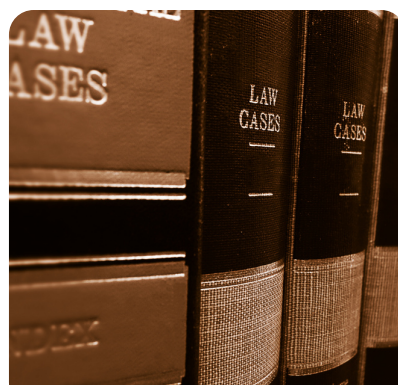
### HYBRID: PROS AND CONS

#### Pros

- Leverage existing infrastructure investments.
- Data managed in-house
- Applications run entirely on-premises in the rare event of a cloud outage.
- Hosted infrastructure benefits from fault tolerant and scalable cloud configuration.

#### Cons

- Increased infrastructure costs and complexity.
- Upgrading infrastructure necessitates significant investment and resourcing.
- Increased coordination requirements in order to facilitate failover.
- Increased analysis to implement highly customized solution.



## PROPYLON CLOUD MODEL: AN OVERVIEW

Our cloud-based managed service provides robust systems to support your daily business, plug technical resource gaps and deal with the extensive maintenance, updates, and support of modern technology platforms. The solution is hosted on Amazon Web Services (AWS) which supports security standards and compliance certifications including FedRAMP. Propylon's solution matches Amazon's reference architecture for highly available web services. In addition to eliminating the need for infrastructure capacity planning and monitoring, your state avoids legacy issues in the long run. We have developed our managed service to ensure an excellent level of technical support for your business-critical applications, guarantee high availability, and provide business continuity in the event of any unexpected failures.

### CLOUD: PROS AND CONS

#### Pros

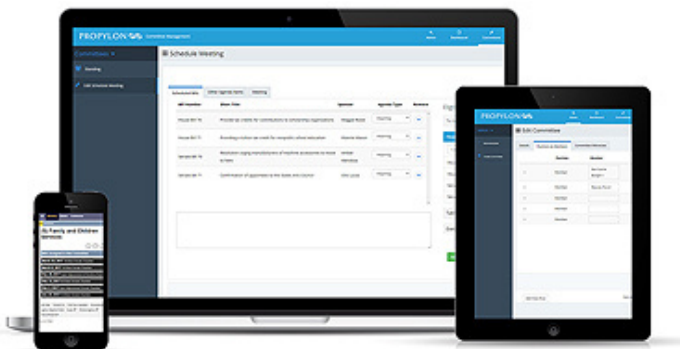
- Solution scales optimally for legislative performance.
- Data managed in the cloud and replicated in real-time across availability zones.
- Most efficient disaster recovery.
- Automatic updates to address vulnerabilities without disrupting the critical work of the legislature.
- Fault tolerant
- Secure by design
- Daily backups exported to separate infrastructure for storage.

#### Cons

- In the rare event of a cloud outage, systems are subject to failures affecting the cloud provider.
- Limited user control

### KEY CONSIDERATIONS

- Propylon's dedicated support team manages critical aspects of the infrastructure security including continuous vulnerability monitoring.
- Propylon manages data integrity including secure infrastructure backups and disaster recovery processes.



## COMPARISON OVERVIEW

	On-premises install	Hybrid model	Cloud model
<b>Security</b>	Customizable security and compliance policies.	Security and compliance policies implemented according to best practices (ISO 27001 compliant).	Security and compliance policies implemented according to best practices (ISO 27001 compliant).
<b>Scaling</b>	Scale determined by on-premises infrastructure. Requires investment in hardware to manage peaks in session.	Scale without sacrificing on-premises investments.	Solution optimized for legislative performance, catering automatically for traffic peaks in session as well as steady post-session levels.
<b>Data management</b>	Data managed in-house.	Customizable solutions depending on requirements.	Data managed in the cloud and replicated in real-time across availability zones.
<b>Networking</b>	Customizable solutions.	Oversight and administration of networking managed by Propylon.	Oversight and administration of networking managed by Propylon.
<b>Disaster recovery</b>	Backups can take longer to recover depending on the solution implemented.	Customizable failover solutions, ranging in cost and desired recovery time.	Most efficient disaster recovery
<b>Deployment</b>	Single deployment. Requires training and resourcing to implement.	Two deployments, one managed by Propylon, one by the client. Requires increased coordination.	Single deployment managed by Propylon.
<b>Availability</b>	High availability requires investment to avoid outages.	High availability	High availability
<b>Cost</b>	Maintenance and operational cost.	Operational cost depending on desired recovery solution.	Operational expense to maintain the environment.