

Optimizing VDI with Application and Presentation Virtualization

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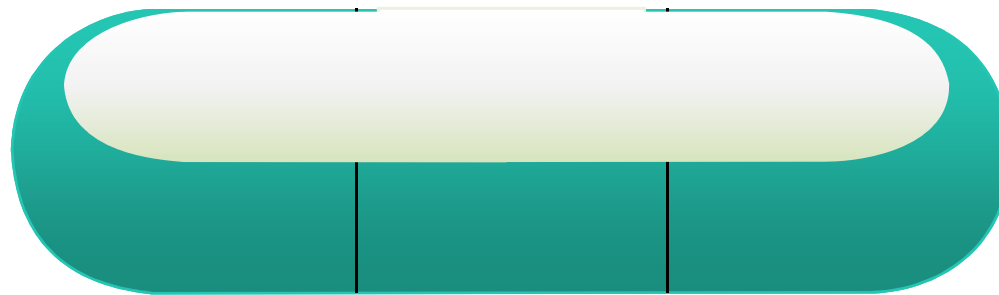
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Level Set



Presentation Virtualization

Application Virtualization

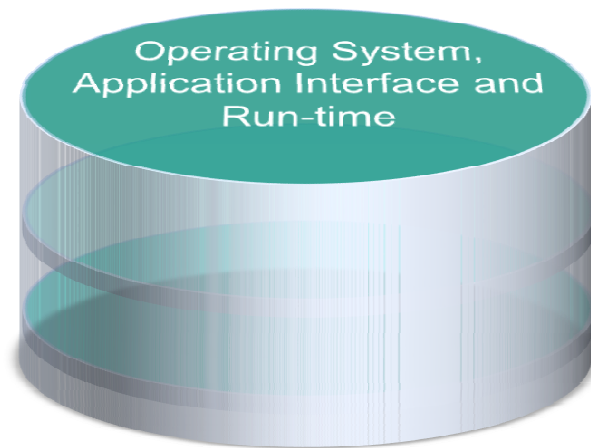
Desktop Virtualization

Server Virtualization

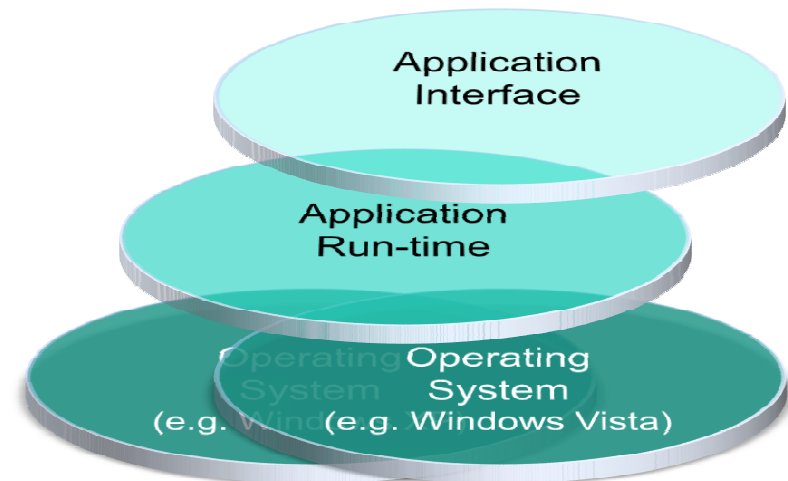
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Comparing Old and New

**Traditional
architecture is
tightly coupled**

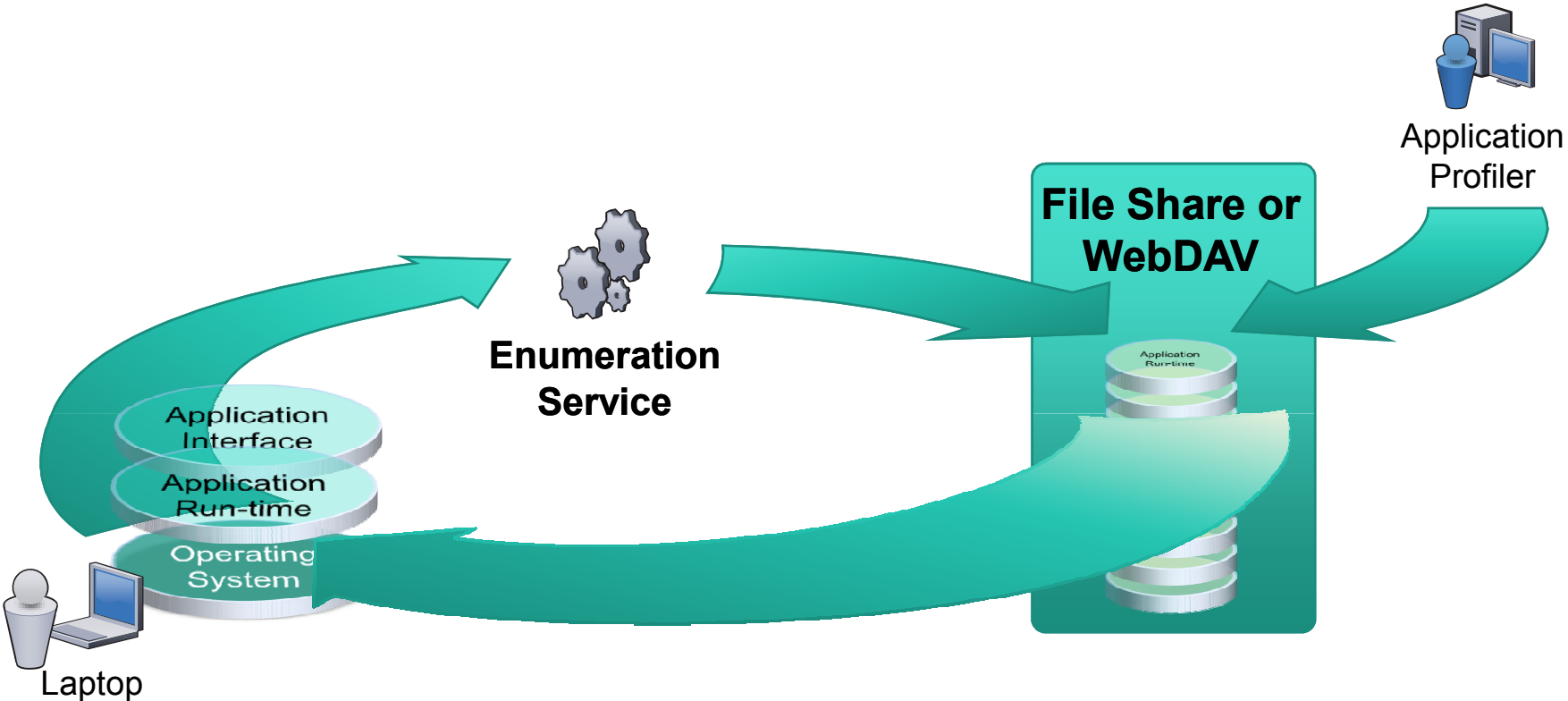


**Virtualized
architecture is
flexible**



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Application Virtualization



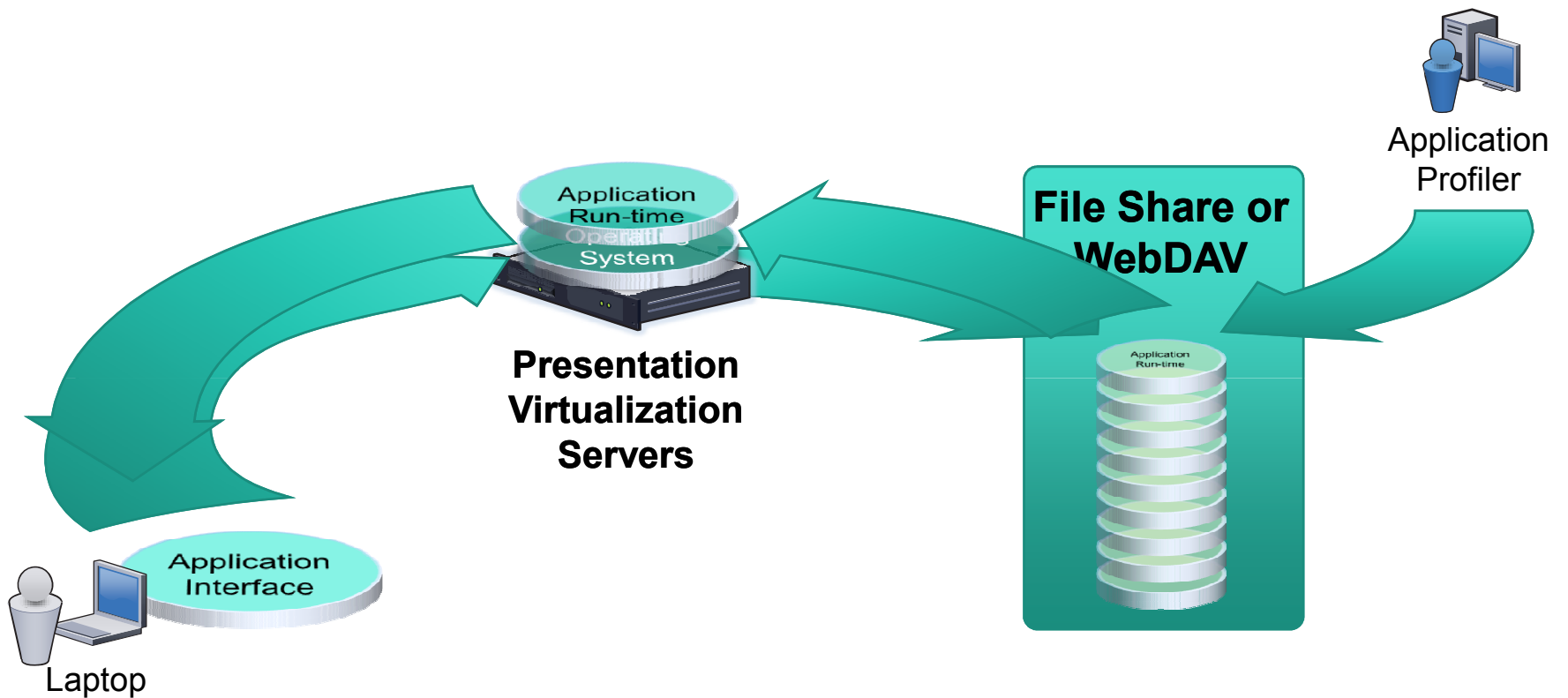
Application Virtualization Details

- Isolated run-time
- Controllable write access
- Restricted application interaction
- Delivered via SMB or HTTP(S)
- Processing occurs on client

Streamed, NOT Installed

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Presentation Virtualization



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Presentation Virtualization Details

- Isolated run-time
- Controllable write access
- Restricted application interaction
- Delivered via SMB or HTTP(S)
- Processing occurs on server

Seamless Remote Display

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Comparing Delivery Models

Category	Presentation Virtualization	Application Virtualization	Traditional Application Deployment
Processing	Server-side	Client-side	Client-side
App Delivery Time	Minutes to hours	Minutes to hours	Hours to days
Delivery protocol	ICA	SMB/HTTP(S)	SMB/CIFS
App Compatibility	High/Mid*	High	Mid/Low
Heterogeneous Access	Yes	No	No
Offline availability	No	Yes	Yes
Seamless Experience	Yes	Yes	Yes
Data security	High	Med	Low
Password Security	High	Low	Low
Bandwidth Usage	Low (@ 19 to 100Kbps)	Native to app (varies)	Native to app (varies)

* Application execution in multi-user environment may not be possible even if server platform is supported as run-time

What's best?

Presentation Virtualization

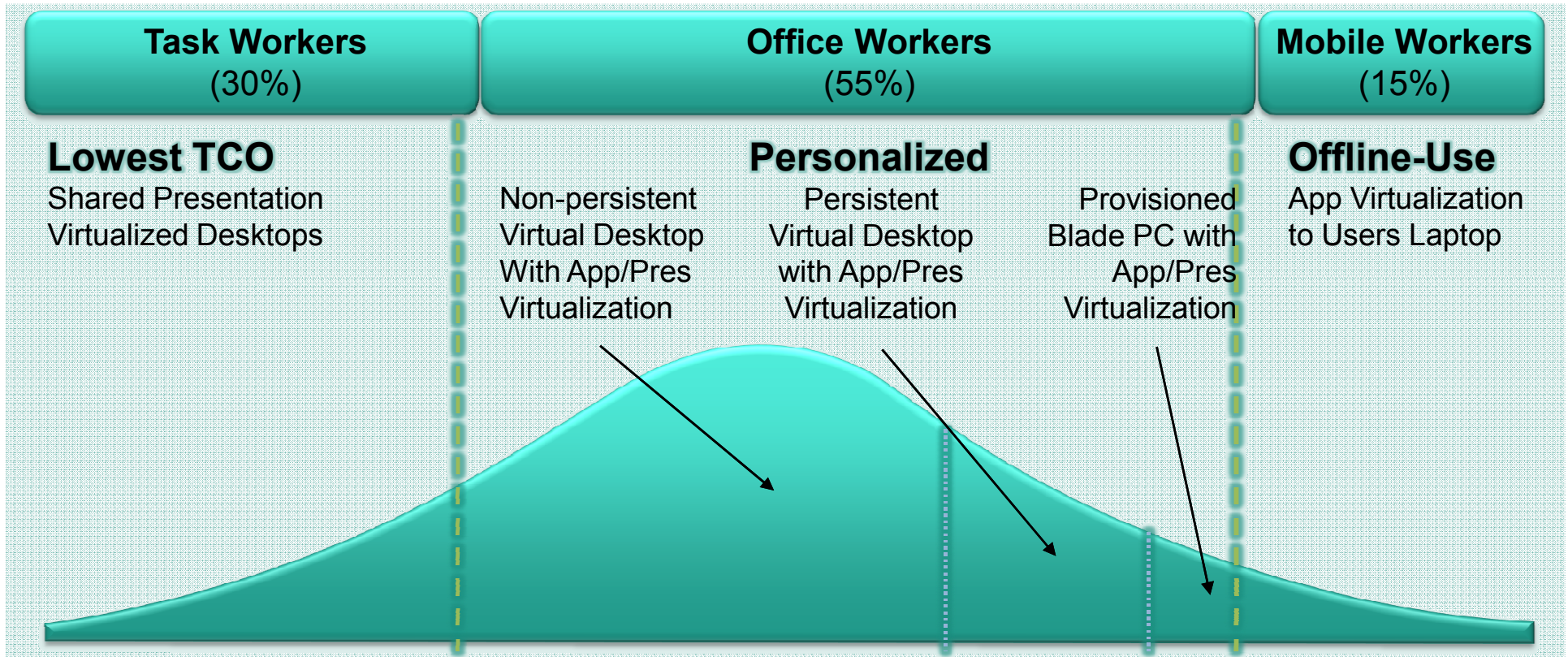
for client-server applications

Application Virtualization

for other applications

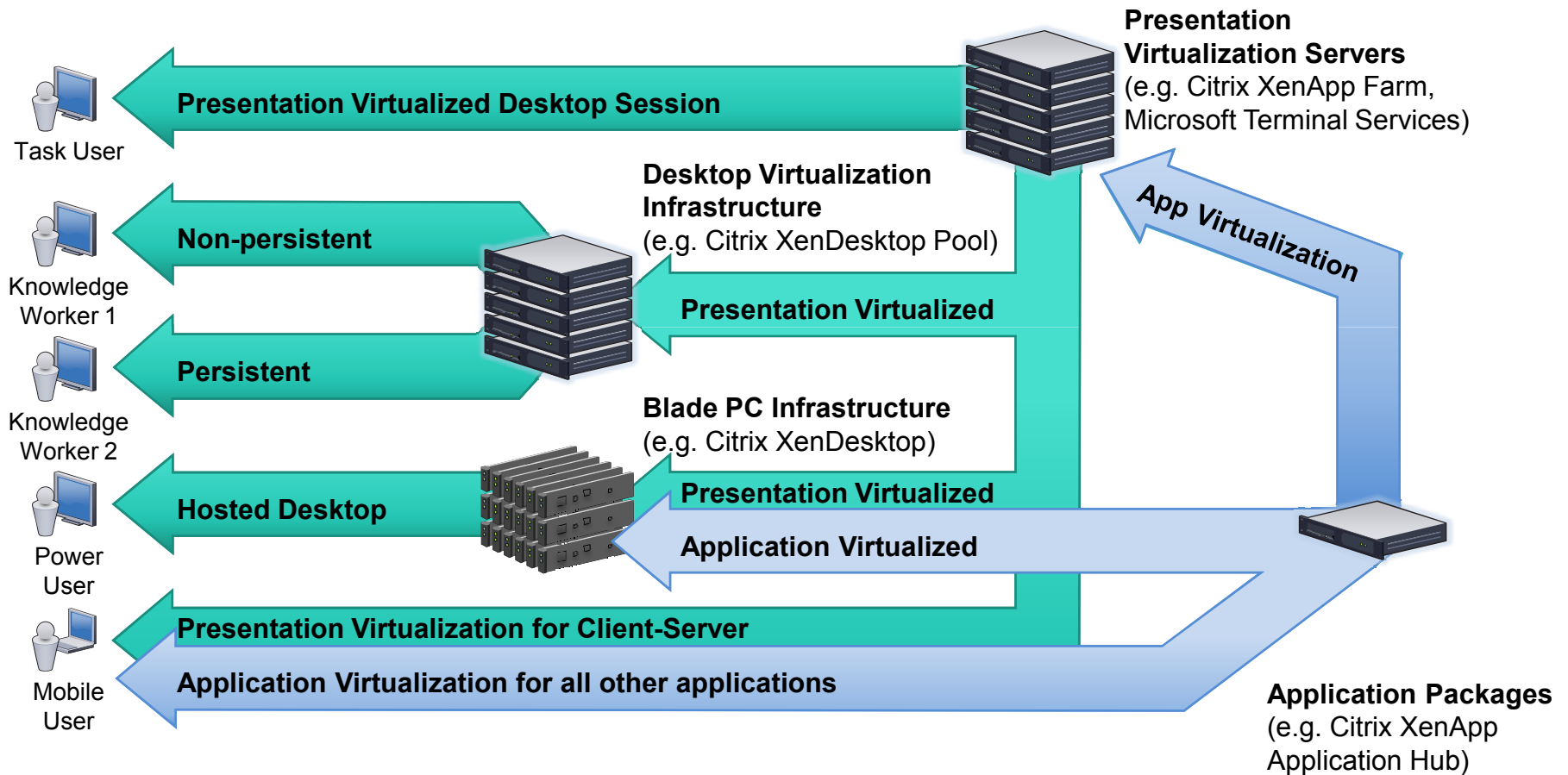
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Match the Virtualization Strategy to the Use Case



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Build the Optimal Stack



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Key Takeaways

- Implement stack to meet users' needs (jobs, bandwidth, personalization, value)
- Pick solutions that enable access from any client OS
- Reduce virtual desktop overhead with Presentation Virtualization
- Improve physical desktop management with Application Virtualization
- Look for easy management and storage and performance optimization

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