



adaptTo()

APACHE SLING & FRIENDS TECH MEETUP
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Apache Sling – Back to the Future
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 - Apache Sling PMC Chair
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 - MySign AG
 - Long time Apache Sling Committer

Time Warp: -1 Year



- Tooling, tooling, tooling
 - Improve resource explorer
 - Improve Maven tooling
 - Develop in your favorite IDE without round trips
- Focus on developer experience
- Packaging





- Integration with Apache ACE
- Improve create/update
 - Validation
- Support for other NoSQL solutions
- UI?

What happened?

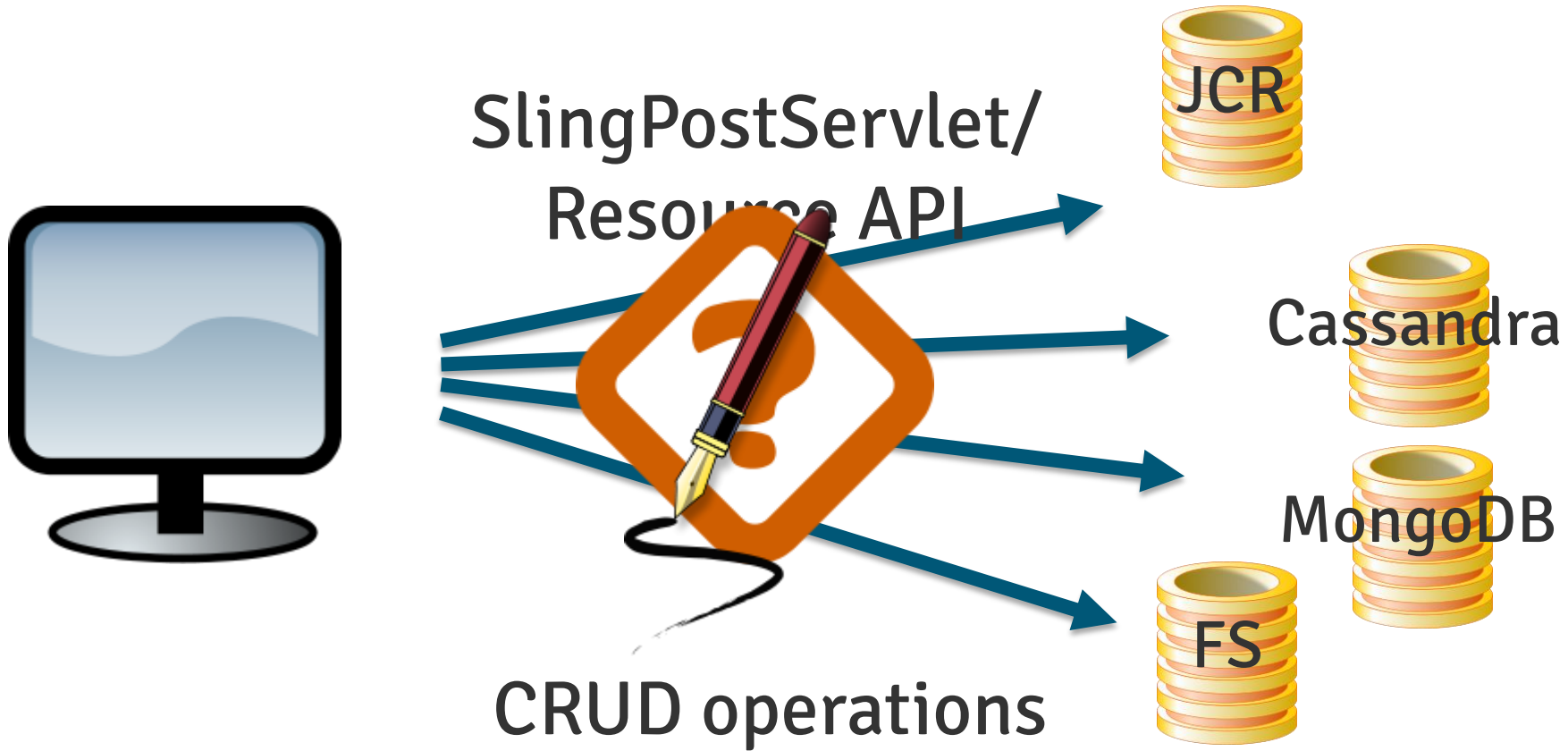


Today

SlingPostServlet
JcrResourceProvider



Sling “classic”
CRUD operations

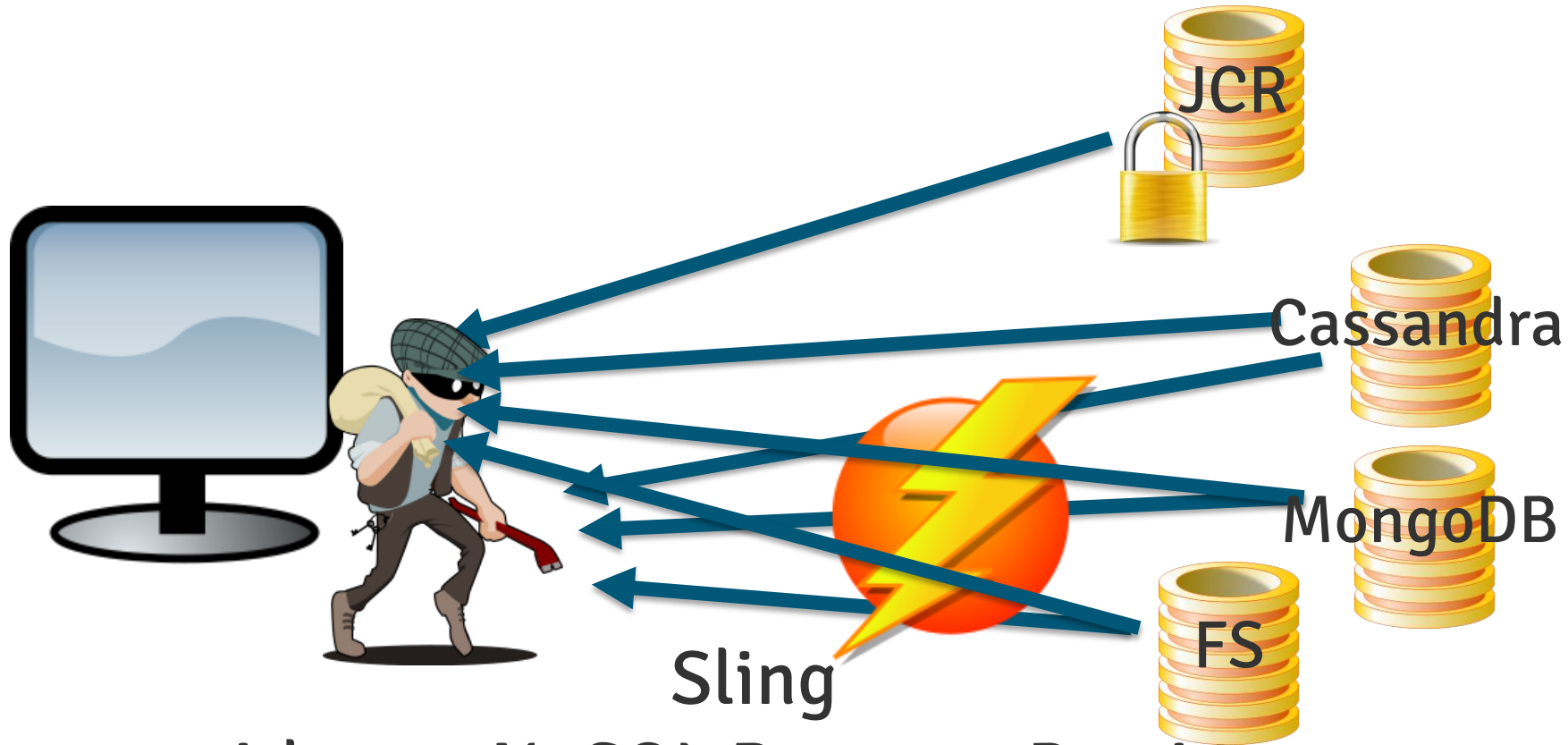


State of Resource API

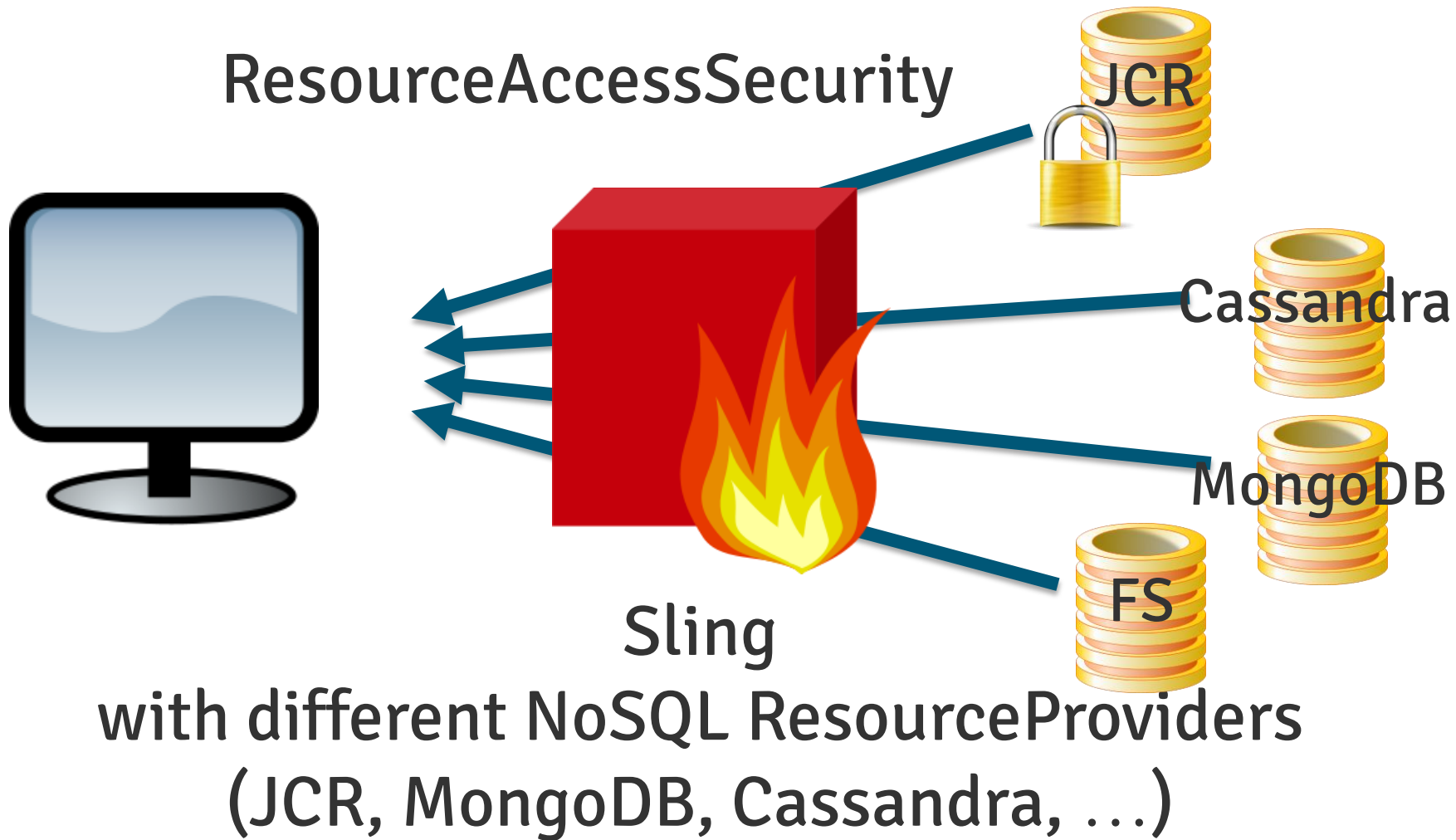
- Full CRUD support via Resource API
- Stable!
- NoSQL Resource Providers
 - JCR – Jackrabbit 2 / Oak
 - MongoDB
 - Cassandra
 - ...



Sling “classic”
With JCR as Storage



with new NoSQL ResourceProviders
(MongoDB, Cassandra, ...)



What is ResourceAccessSecurity for?

- For ResourceProviders where the underlying persistence layer does not implement access control
- Access Security on Resource AND property level
- Can be spanned over multiple ResourceProviders
- Single Point to determine Access Control
- And it is not affecting existing ACLs

How to use it?

- Set service property «`provider.useResourceAccessSecurity`» to true on `ResourceProvider` where you want to enable
- Include bundle `resourceaccesssecurity`
- Implement `ResourceAccessGate` and register it

Done ;-)

State of implementation?

- Only READ access on Resource level is checked at the moment
- Full implementation will hopefully come soon...

So, use it and give feedback!

DEMO

Replacement of loginAdministrative()

- new getServiceResourceResolver()
- new authentication parameters
 - Bundle
 - sub service ID
- ServiceUserMapper for configuration

- Handling cloud and clustered installations
- Improved distributed eventing
- See separate talk 😊

- Sling IDE Tools
 - Eclipse
- See separate talk 😊

- Resource Collection
- Health Check
 - See separate talk 😊
- JMX Resource Provider
- Oak support
- Logback support
- And many more 😊

Apache Sling Today

- Apache Sling is used by many companies and different projects
 - Backed by major companies
- 24 committers
- Active community
- Slowly growing
- Highly modular with frequent releases

Time Warp: +1 Year

The Future?

- Focus on developer experience
 - Resource Explorer
 - Stay in your IDE
 - Improve APIs
- Packaging
- Validation
- Further focus on security
- Allowing JCR free installations



Thanks!