# Leading with OSCAL

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# With you today

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# KPMG's journey with OSCAL

**We have developed multiple use cases that are powered by OSCAL.**

These all leverage the key benefits of OSCAL:

- Data centric
- Integrated
- Extensible
- Automated

**Third-party security**

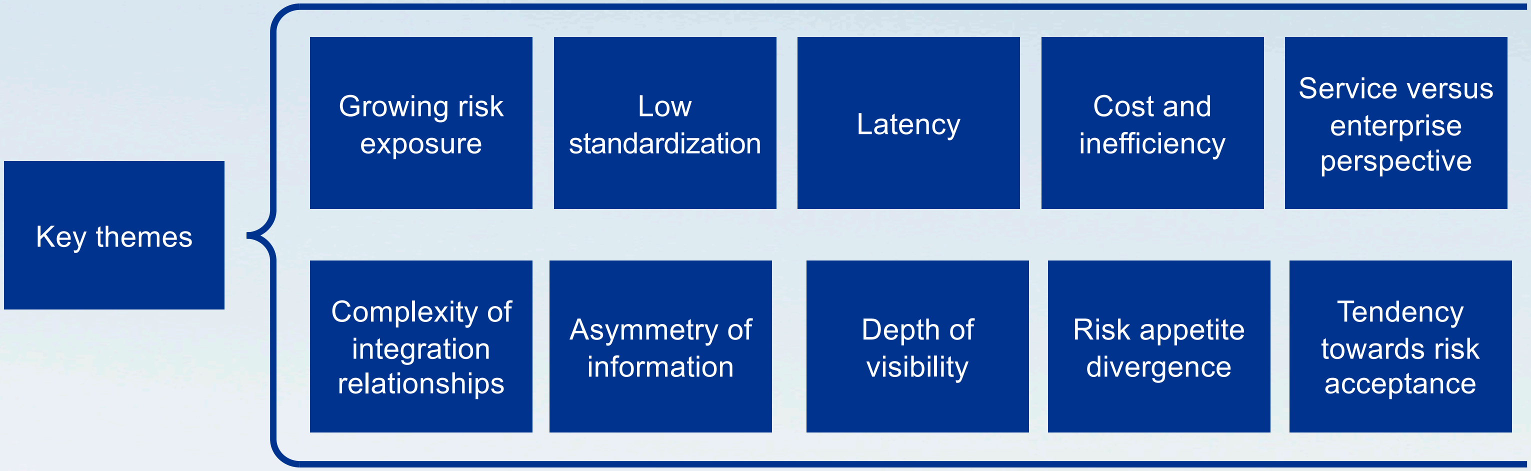
**Fourth-party security**

**Cyber insurance**

**Private equity portfolio monitoring**

**Compliance reporting**

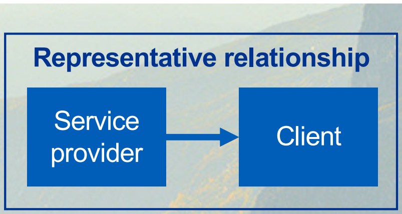
# Commercial sector problem statement



Key themes

- Growing risk exposure
- Low standardization
- Latency
- Cost and inefficiency
- Service versus enterprise perspective
- Complexity of integration relationships
- Asymmetry of information
- Depth of visibility
- Risk appetite divergence
- Tendency towards risk acceptance

# Third Party Security



## Problem statement

- Proliferation of vendors
- Reassessment trigger visibility
- Culture of risk acceptance
- Low security ROI

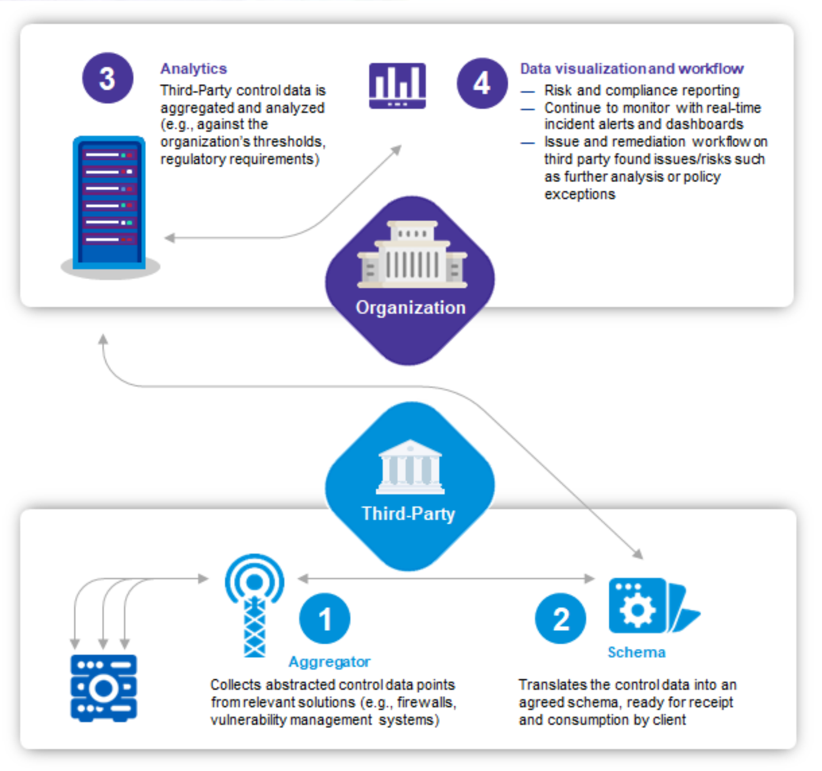
## Illustrative use case

- Organization performs annual assessments on high risk vendors
- No visibility into security posture post events
- Requirement for more real-time data

## KPMG experience

- Developed model
- Delivered POC
- Actively discussions ongoing

# Third Party Security: Our OSCAL journey started



3 Analytics

Third-Party control data is aggregated and analyzed (e.g., against the organization's thresholds, regulatory requirements)

4 Data visualization and workflow

— Risk and compliance reporting
— Continue to monitor with real-time incident alerts and dashboards
— Issue and remediation workflow on third party found issues/risks such as further analysis or policy exceptions

1 Aggregator

Collects abstracted control data points from relevant solutions (e.g., firewalls, vulnerability management systems)

2 Schema

Translates the control data into an agreed schema, ready for receipt and consumption by client

## Key features

- Facilitates scalable sharing of control information
- Agentless
- Analyze cyber risk
- Risk reporting and issue remediation

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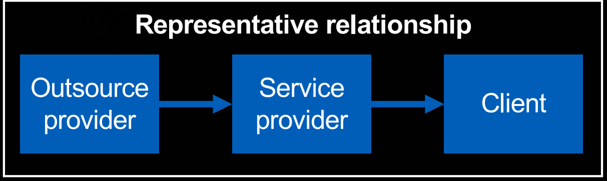
# Fourth-party security



Representative relationship

**Problem statement**

- Service vendors often outsource
- Difficult to inventory fourth parties
- No contractual relationship with fourth parties

**Illustrative use case**

- Better manage cyber risk
- Service providers report OSCAL
- Service provider can “inherit” ARs

**KPMG experience**

- Involvement in defining “leading practice” for 4PS
- Architected KPMG CAM to support 4PS use cases

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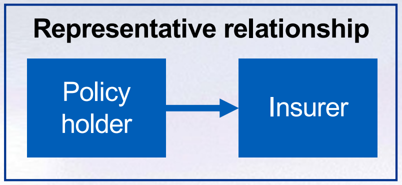
# Cyber insurance


Representative relationship

Policy holder

Insurer

## Problem statement

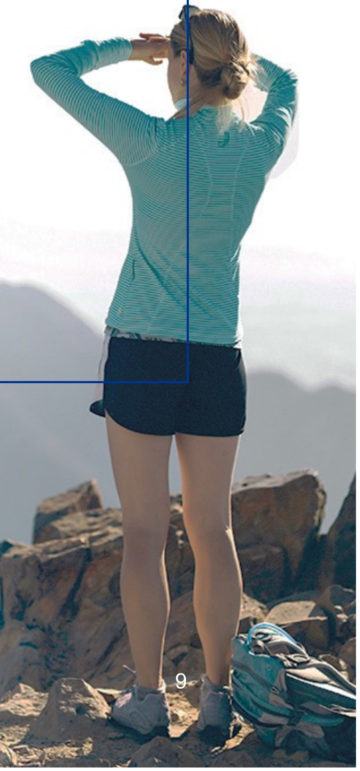
- Pricing of cyber insurance policies
- Demand / supply mismatch
- Cyber insurers are making losses

## Illustrative use case

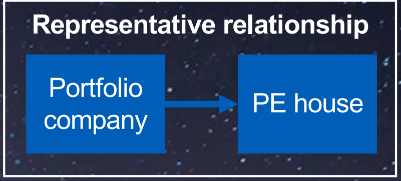
- Aggregate cyber risk across portfolio
- Correlation between weak controls and losses
- Updates contracts with additional requirements a

## KPMG experience

- Facilitated industry event



# Private equity portfolio monitoring


Representative relationship

## Problem statement

- Breaches impact valuations
- PortCos managed separately

## Illustrative use case

- PE house receives threat intel
- Threat intel communicated to PortCos

## KPMG experience

- Working with multiple PE houses

# Opportunities to better support commercial use cases

1. Catalog models for additional reference frameworks
2. Native support for integrity and provenance validation
3. Tooling to support human read- and writability
4. Native support for OSCAL in other security tools
5. Enhance GRC enablement
6. Standardized approach for a mechanism to obtain compliance status
7. Better support for schema customization based on use case

# Our commitments for 2022

1

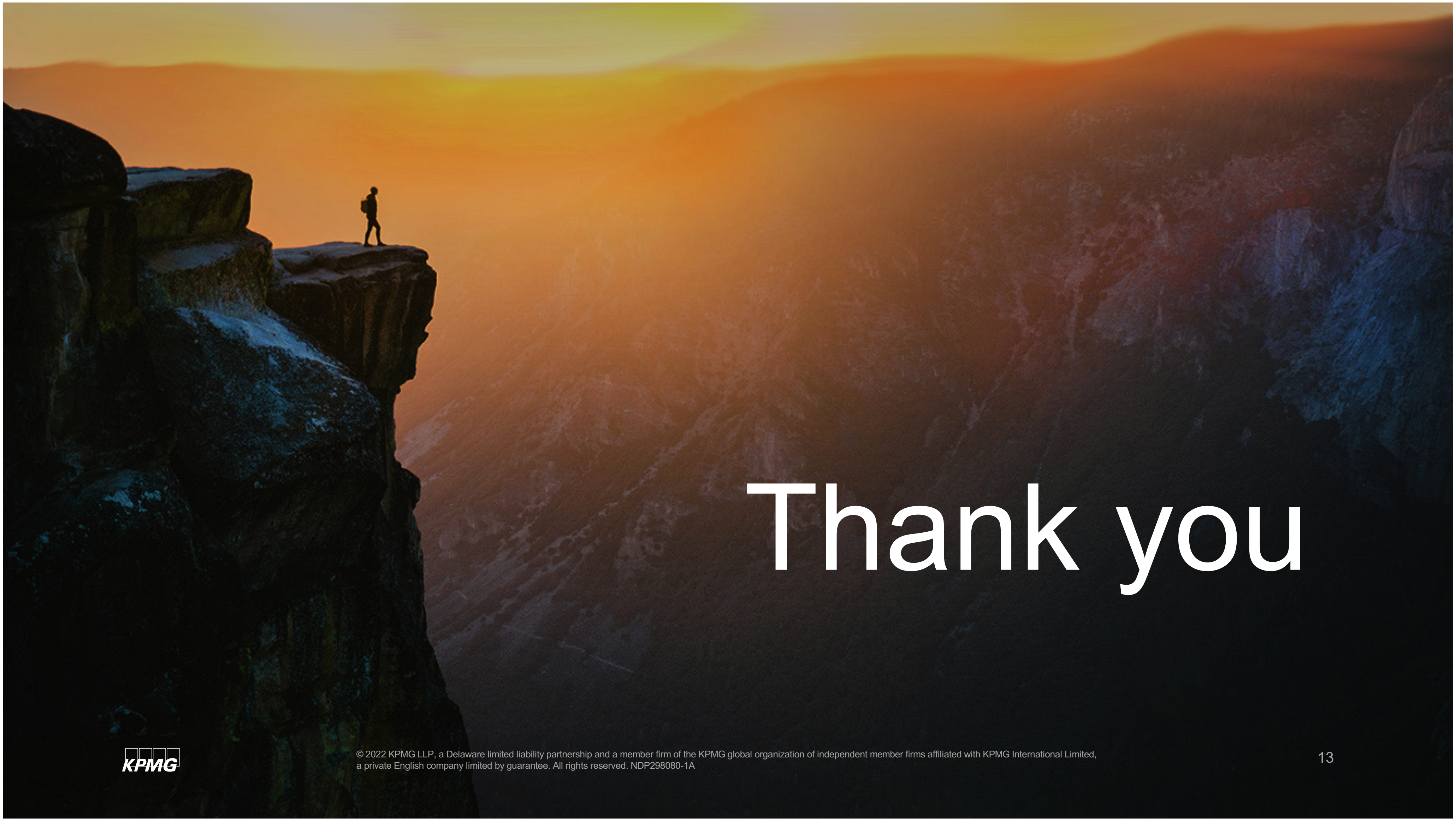
Active client outreach—expand awareness and broaden the conversation

2

Investment in integrating OSCAL into the services we deliver

3

Continue to lead on commercial sector use case development



# Thank you

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