

SESSION OUTLINE

- High level over view & goals
- One Click Apps – Demo
- Architecture Overview
- Extensibility & Further Possibilities

DevX Platform

Demo OneClick 15 Factor Apps – Governed

★ Goal:

Show how DevX Platform delivers self-service capabilities & secure, compliant software with all standards plumbed and all tools combined and unified.



Sasi Peri



DEVX PLATFORM – GOALS & VALUE

DevX Platform = The Front Door for Developers to consume Platform Capabilities as a Product.

- Key pillars of platform engineering as a single experience.
- Ideal DevX portal is one-stop-shop for Dev-Sec-Ops
- Enterprise software product catalogue.
- Enterprise Technology Radar (*Roadmaps & Life Cycles*)
- And more ...



DEVX PLATFORMS – EXAMPLES

Leverage existing platforms or build custom based on your needs.

Backstage

by Spotify (CNCF)

Open platform for building Developer Portals. Highly extensible plugin architecture with a rich ecosystem.

Open-source

VMware Tanzu TAP

Application Platform (TAP)

Enterprise-grade platform for accelerating app delivery on Kubernetes with curated supply chains.

Enterprise

Cortex

Internal Developer Portal

IDP focused on scale, security & self-service. Service catalogues, scorecards, and developer workflows.

SaaS

We can also build a custom DevX Platform aligned to our stack, standards and domain.



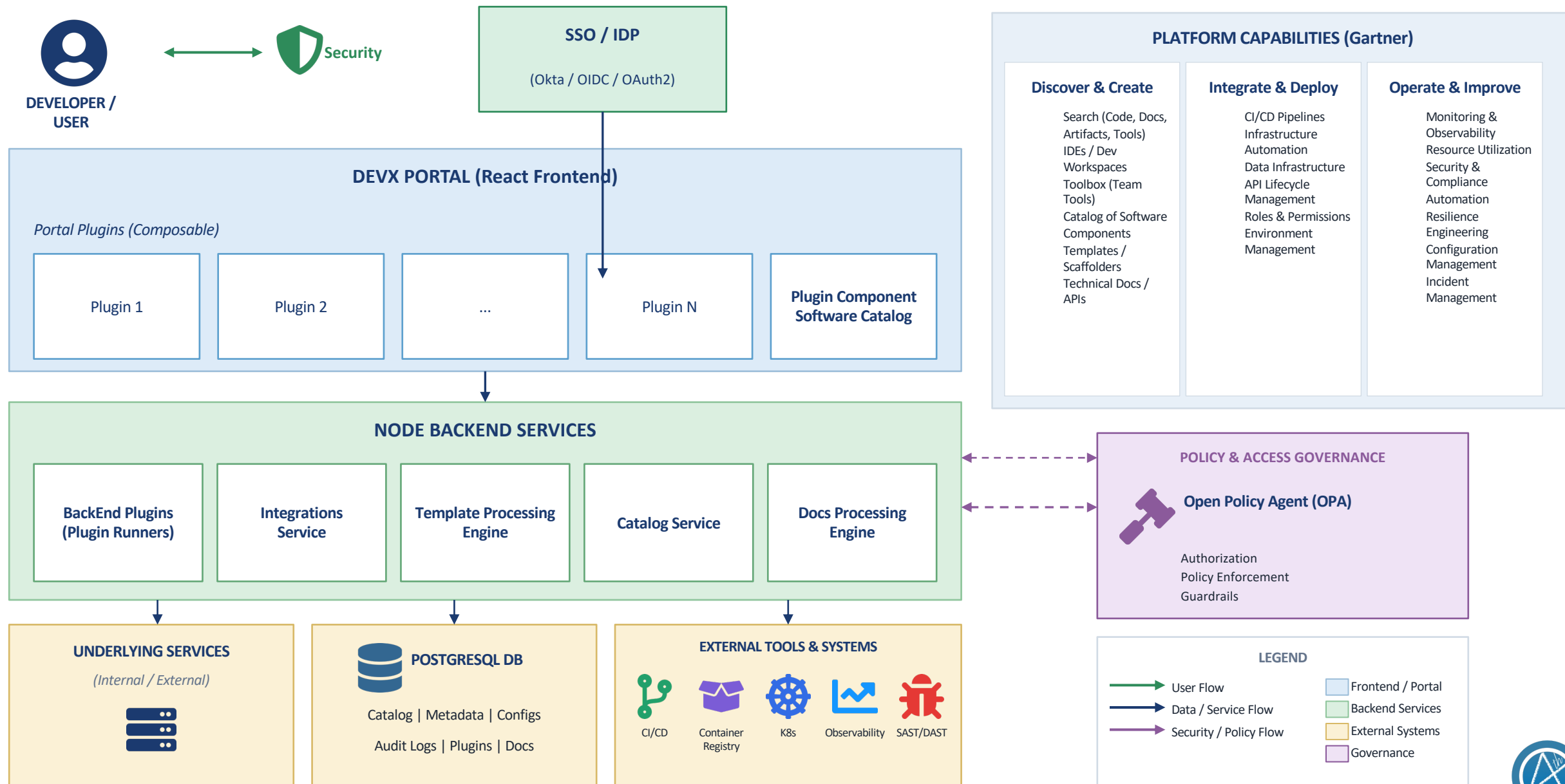
15 FACTORS – CHECKLIST

12-Factor app methodology + 3 cloud-native additions, baked into every scaffolded service.

1.	Codebase	✓	•	Git
2.	Dependencies	✓	•	Maven, Buildpacks(Packeto) OCI, Helms
3.	Config	X	•	Config (e.g. CloudConfigServer + Vault)
4.	Backing Services	✓	•	Db, Dynatrace as attached services
5.	Build, release, run	✓	•	CI/CD Pipelines (Release/FeatureFlags)
6.	Stateless Processes	X	•	E.g. Redis, etc.
7.	Port binding	✓	•	Port binding via K8 LBs, Controllers
8.	Concurrency	✓	•	Concurrency via K8 Pods
9.	Disposability	✓	•	Disposability via K8 Replicas
10.	Dev/prod parity	✓	•	Artefacts build once, promoted (Jars, OCI-Images)
11.	Logs	✓	•	Logs, Instrument with OTel Spans/Traces (W3C TraceCtx)
12.	Admin processes	X	•	NA (can integrate with Kafka/RabbitMQ)
13.	API First(Contract)	✓	•	OpenAPI Spec (Contract First)
14.	Telemetry	✓	•	Open Telemetry (Otel) Metrics into Dynatrace
15.	Security(Auth N/Z)	✓	•	AuthN and AuthZ with OAuth2

Scaffolders enforced these factors via templates, lint rules, and OPA policies govern at PR or run time.

ARCHITECTURE OVERVIEW



EXTENSIBILITY & ECOSYSTEM

DevX Platform grows with your stack — pluggable at every layer.

	Plugin Architecture Frontend & backend plugins follow a stable contract — drop-in, no fork.		Custom Templates Scaffolder templates encode standards: folder layout, CI, Helm, OPA policies.
	Software Catalog First-class entities: Component, API, Resource, System, Domain — with relationships.		TechDocs (MkDocs) Markdown-as-code lives next to your service; renders automatically in the portal.
	Theming & Branding Dark/light modes, corporate palette, custom homepages per business unit.		Open Standards OpenAPI, OAuth2 / OIDC, Kubernetes, OCI, SPIFFE — no proprietary lock-in.



OTHER POSSIBILITIES

todoist-core/pom.xml

todoist-web-common/pom.xml

todoist-web-struts/pom.xml

antoine/java-goof(master):todoist-core/pom.xml

Origingitlab

Typemaven

Last Tested2021-01-21T04:11:20.276Z

Repository

Vulnerabilities

License Issues

Ignored Issues

Issues License Issues Dependencies Ignored

Security vulnerabilities

SEVERITY	ID	NAME	VERSIONS	DESCRIPTION	PRIORITY SCORE
high	SNYK-JAVA-COMMONSCOLLECT-IONS-30078	commons-collections:commons-collections	3.2.1	Deserialization of Untrusted Data	876

GenAI Integration → AI assistance to quickly problem resolution



CONCLUSION



THANK YOU!

 QUESTIONS & DISCUSSION



sasiperi



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