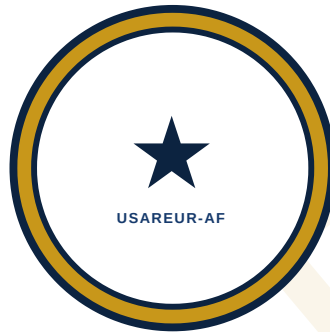


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SELF-STUDY ADDENDUM

SL 5L



Self-Study Addendum — SL 5L Advanced Software Engineer

Palantir Developers Reference Library

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SELF-STUDY ADDENDUM — SL 5L ADVANCED SOFTWARE ENGINEER

PALANTIR DEVELOPERS REFERENCE LIBRARY

NOT REQUIRED FOR QUALIFICATION. This addendum provides curated references from the Palantir Developers YouTube channel ([@PalantirDevelopers](#)) for personnel who want to deepen their MSS technical skills beyond the core curriculum. All content is publicly available.

Companion Resource — Ontologize Channel: [@Ontologize](#) — Official Palantir training partner. 68 indexed video walkthroughs covering Foundry and AIP features. Full catalog with TM cross-references: [source_material/ontologize_youtube/README.md](#)

HOW TO USE THIS ADDENDUM

SL 5L builds directly on SL 4L. The full SL 4L addendum (located at [../TM_40L_software_engineer/SELF_STUDY_ADDENDUM.md](#)) remains relevant — all videos in that addendum apply at SL 5L level. This addendum adds videos specifically relevant to SL 5L's advanced and leadership-level content: platform architecture, enterprise interoperability, advanced DevSecOps, observability, and senior technical leadership.

Videos are grouped by topic. Within each group, content is ordered from foundational to advanced.

ADVANCED PLATFORM ARCHITECTURE

Video	What it Covers	Relevant TM Chapter
<i>Deep Dive: Code-Based AI Development with Ontology</i>	Code-based development patterns extending traditional OSDK and Platform SDK usage into AI-integrated workflows — senior architecture content for SWEs designing AI-supporting infrastructure	Ch 2 (Platform SDK Infrastructure)

Video	What it Covers	Relevant TM Chapter
<i>Deep Dive: Advanced Ontology DevCon 5</i>	Advanced Ontology patterns announced at DevCon 5, covering schema design, object relationship modeling, and Ontology performance at scale	Ch 2 / Ch 3
<i>Product Launch: Edge Embedded Ontology DevCon 2</i>	Edge-embedded Ontology allowing Ontology queries to run at the edge without central infrastructure — specialized architecture for forward-deployed or disconnected operations	Ch 4 (Multi-Tenant Architecture)
<i>Deep Dive: Interoperability at Scale with the Multimodal Data Plane DevCon 5</i>	Cross-platform data interoperability at enterprise scale — senior-level architecture for multi-system MSS integration patterns	Ch 3 (Performance)
<i>Product Launch: Hivemind DevCon 5</i>	Palantir Hivemind platform capabilities announced at DevCon 5 — context for near-term platform evolution relevant to SL 5L platform roadmap responsibilities	Ch 8 (Platform Leadership)

DEVELOPER EXPERIENCE AND DEVSECOPS

Video	What it Covers	Relevant TM Chapter
<i>Product Launch: Developer Experience DevCon 5</i>	Developer experience improvements from DevCon 5, including toolchain enhancements relevant to CI/CD pipeline setup and DevSecOps workflow	Ch 6 (DevSecOps)
<i>Code Repositories Development Process and Pipeline Craftsmanship in Palantir Foundry</i>	Full development lifecycle for Foundry code resources — foundational reference for the DevSecOps pipeline in Chapter 6	Ch 6 (DevSecOps)
<i>Code Repositories Best Practices for Creating Pull Requests in Palantir Foundry</i>	PR best practices reinforcing the code review standards in Chapter 8	Ch 8 (Platform Leadership)
<i>Code Repositories Reviewing Code and Best Practices</i>	Code review standards — directly supports the SL 5L code review responsibilities described in Section 8-3	Ch 8 (Platform Leadership)

OBSERVABILITY AND PRODUCTION OPERATIONS

Video	What it Covers	Relevant TM Chapter
<i>Code in Production: Gallatin x Observability DevCon 3</i>	Production observability case study — how a real engineering team instruments and monitors their Foundry deployment	Ch 3 (Performance) / Ch 6 (DevSecOps)
<i>Pipeline Monitoring How to Start Monitoring Data Health in Palantir Foundry</i>	Foundational pipeline monitoring and data health tracking — applies to SL 5L's platform health governance responsibilities	Ch 6 (DevSecOps)
<i>Pipeline Monitoring How to Monitor Health Across a Pipeline in Palantir Foundry</i>	End-to-end pipeline health monitoring across multi-step data flows	Ch 6 (DevSecOps)
<i>Schedules Management, Metrics, and Triggers in Foundry</i>	Managing schedule health and metrics at scale — relevant to SL 5L's compute cost management and pipeline governance	Ch 3 (Performance)

ADVANCED INTEGRATION PATTERNS

Video	What it Covers	Relevant TM Chapter
<i>Developer Deskside Building Apps on Kafka Streaming Data in Palantir Foundry</i>	Building Foundry applications consuming Kafka streaming data — foundational reference for the Kafka integration patterns in Chapter 5	Ch 5 (External Integration)
<i>Code in Production: Lennar x MCP DevCon 3</i>	Model Context Protocol (MCP) integration with Foundry in production — MCP as an emerging standard for LLM tool use against the Ontology	Ch 5 / Ch 2
<i>Product Launch: AIP Agents and Ontology-MCP DevCon 4</i>	AIP Agents using MCP to interact with the Ontology — next-generation integration architecture	Ch 5 / Ch 4
<i>Code in Production: Process Orchestration x Eaton DevCon 4</i>	Production case study on workflow automation and orchestration at scale	Ch 5 (External Integration)

SECURITY AND COMPLIANCE (ADVANCED)

Video	What it Covers	Relevant TM Chapter
<i>Cipher How to Encrypt Data in Foundry with Cipher</i>	Field-level encryption for sensitive data in Foundry — relevant to classification-aware design in Chapter 4	Ch 4 (Multi-Tenant) / Ch 7 (Security)
<i>Security How to Debug a User's Access to a File</i>	Diagnostic procedure for access control issues — useful in authorized security testing and CBAC boundary debugging	Ch 7 (Security Assessment)
<i>Chad & Arnav Privacy & Security with Palantir AIP</i>	Privacy and security architecture for AIP-integrated systems — senior-level context for SL 5L security assessment responsibilities	Ch 7 (Security Assessment)
<i>Platform Administration Setting up SSO in Palantir Foundry</i>	SSO configuration — relevant to SL 5L engineers managing authentication architecture for multi-tenant deployments	Ch 4 / Ch 7

PLATFORM LEADERSHIP AND COMMUNITY

Video	What it Covers	Relevant TM Chapter
<i>Akshay Krishnaswamy Opening Remarks DevCon 5</i>	DevCon 5 opening remarks from Palantir's CEO — strategic context for platform direction, relevant to SL 5L platform roadmap review responsibilities	Ch 8 (Platform Leadership)
<i>Building Enterprise Autonomy with Shyam Sankar, CTO</i>	CTO-level perspective on enterprise autonomy and platform direction — context for senior SWEs advising on platform strategy and ATO planning	Ch 8 (Platform Leadership)
<i>Anduril: Ontology: Launchpad for Operations</i>	Defense-sector case study of the Ontology as an operational data platform — closely analogous to the USAREUR-AF MSS architecture	General / Ch 4

FULL SL 4L ADDENDUM REFERENCE

All video groups from the SL 4L Self-Study Addendum remain applicable at SL 5L:

- **Code Repository Fundamentals** — directly supports Chapter 6 (DevSecOps)
- **Functions on Objects (FOO)** — supports Chapter 6 (Ontology CI) and Chapter 8 (code review)
- **OSDK and Platform SDK** — foundational for Chapters 2, 3, and 5
- **Foundry Reference Project** — architecture reference for Chapter 8 leadership responsibilities
- **Security and Compliance** — supplements Chapter 7 (Security Assessment)
- **Pipeline and Schedules** — supports Chapter 3 (Performance) and Chapter 6 (DevSecOps)
- **Advanced Patterns** — supplements Chapters 4 and 5
- **Case Studies in Production** — general leadership context

See

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for the full list.

USAREUR-AF Operational Data Team