



HPE ArcSight Activate Framework

Multi-Sensor Data Fusion Model



**Deploying SIEM is a
cyclical, iterative
process**



Level 0: Event Generation
& Transport

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Level 0: Event Generation & Transport

- Security Devices generate the logs
- Connectors normalize & categorize the log entries into events

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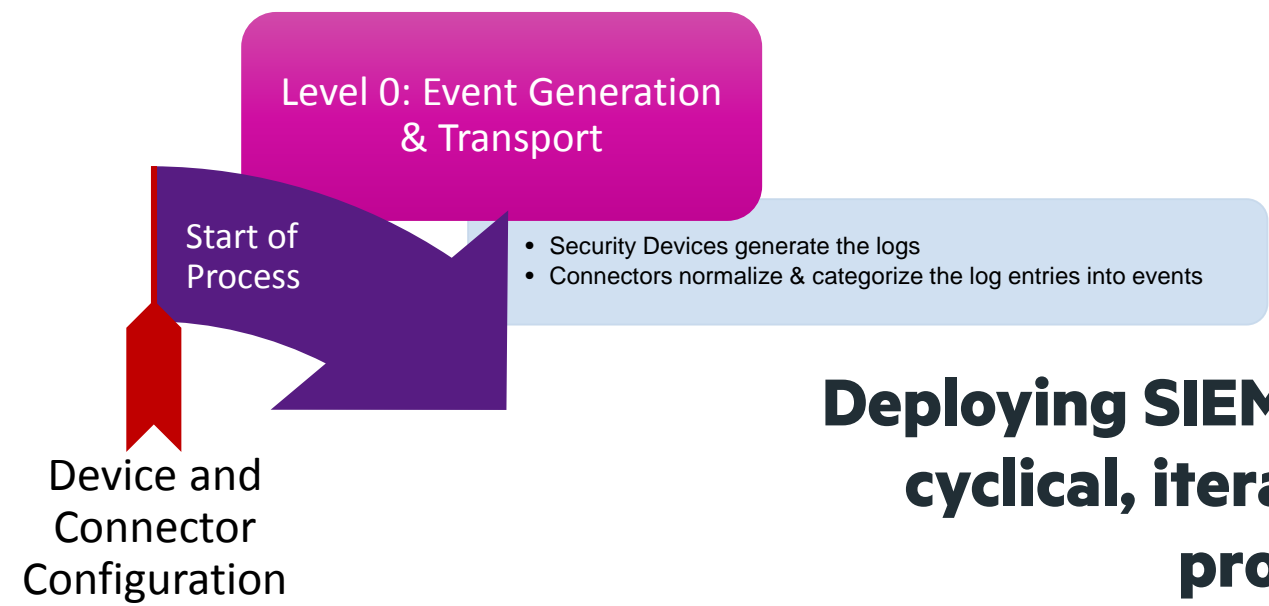


Level 0: Event Generation & Transport

Start of Process

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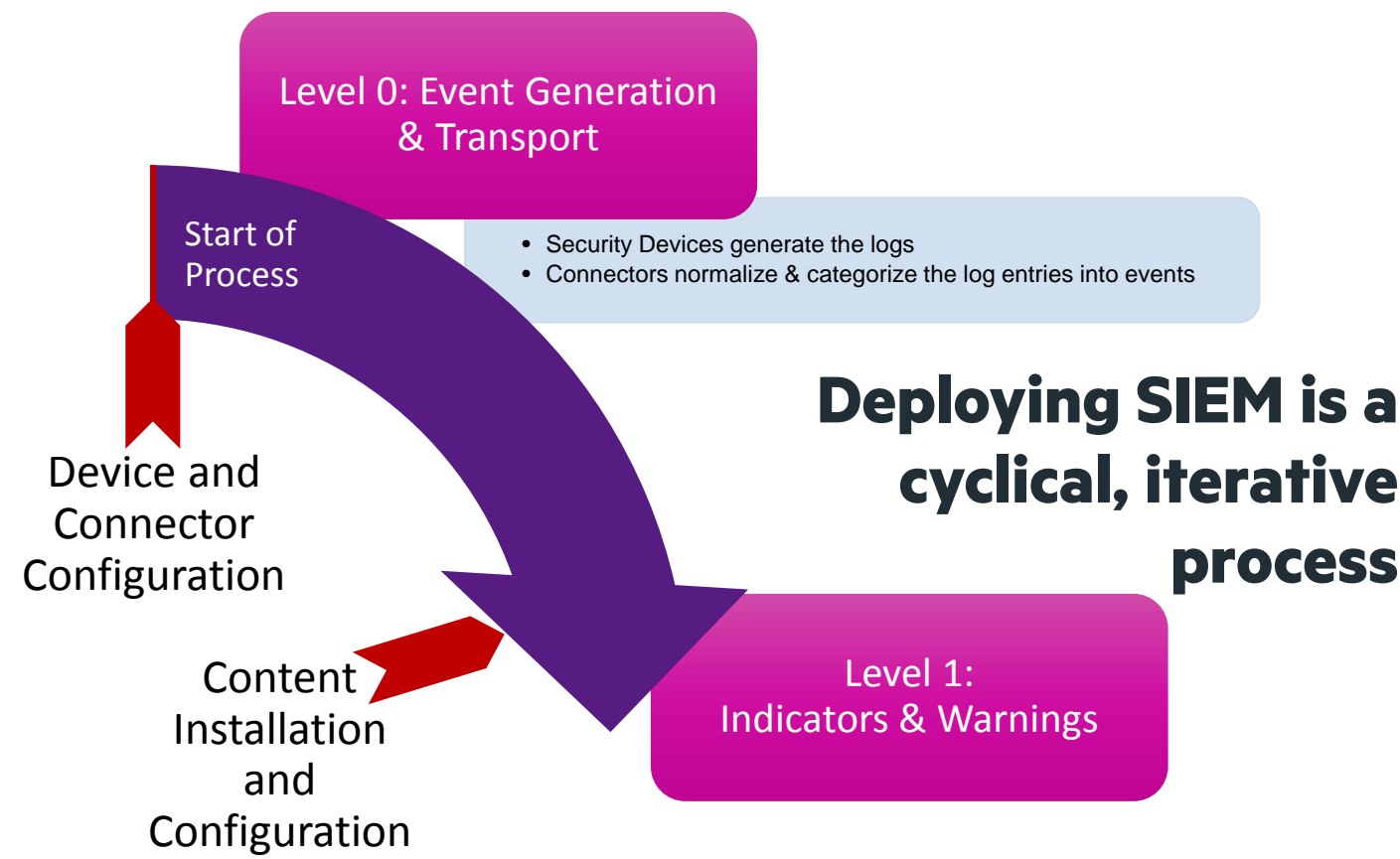
Start of Process

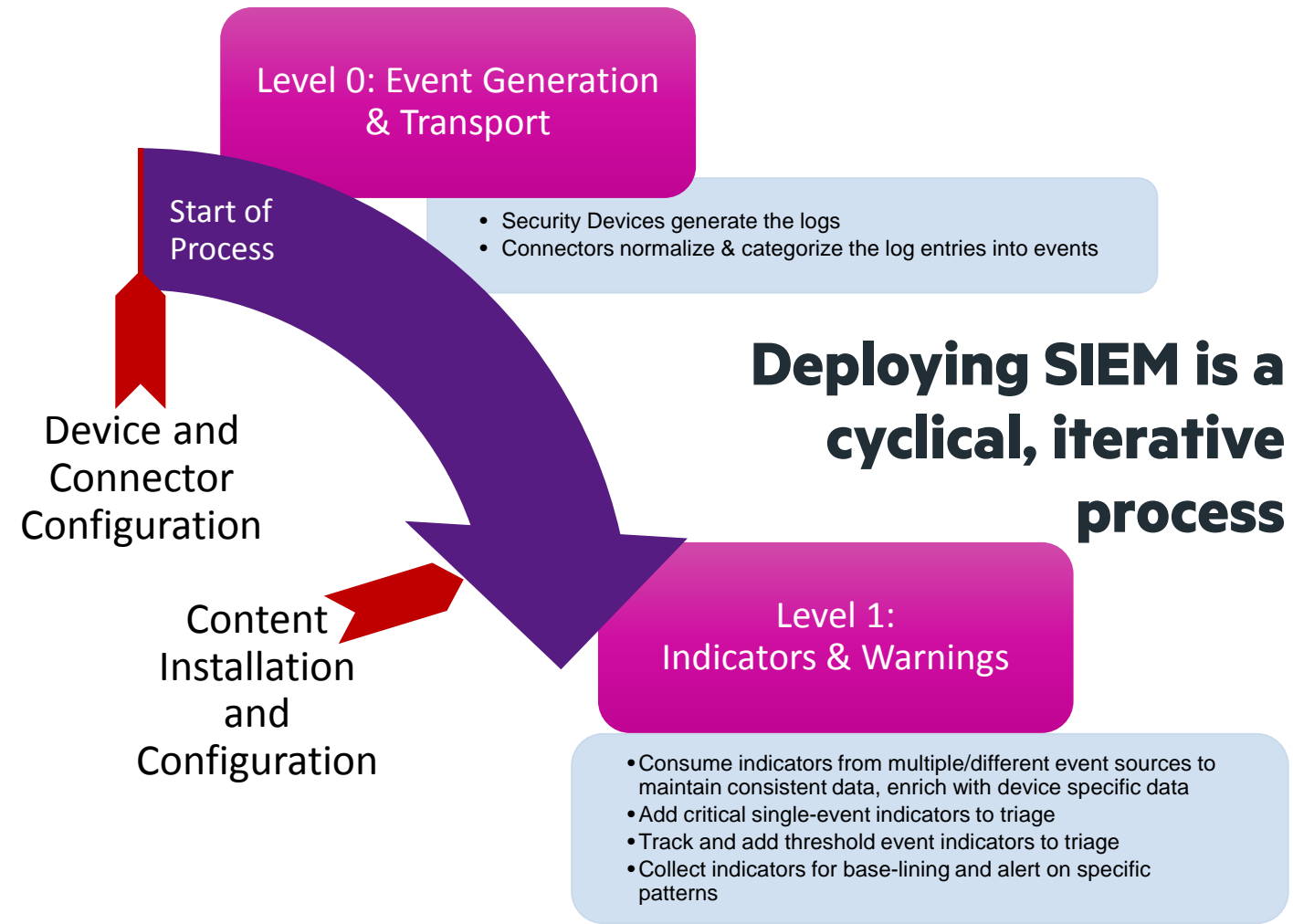
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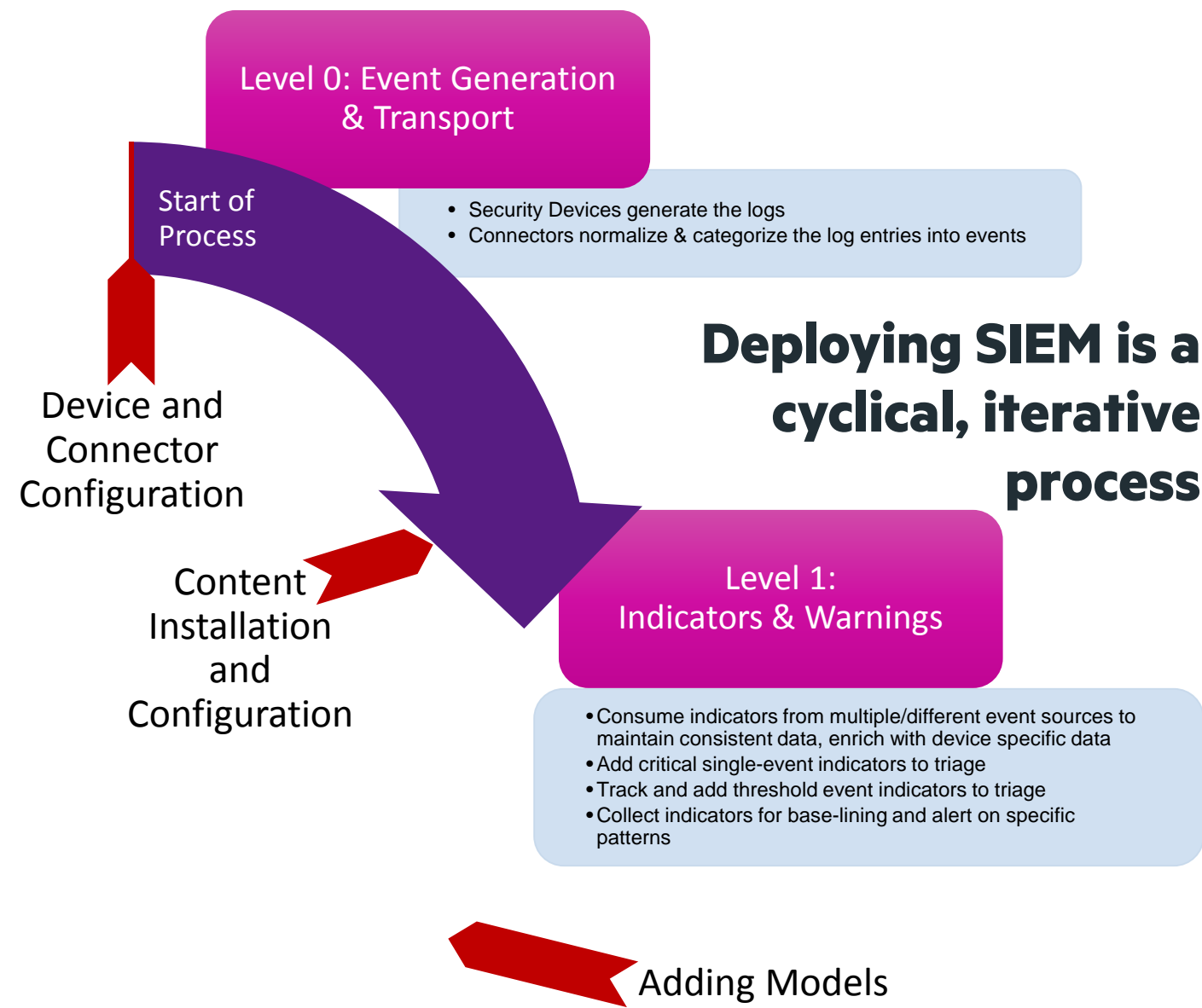
Device and Connector Configuration

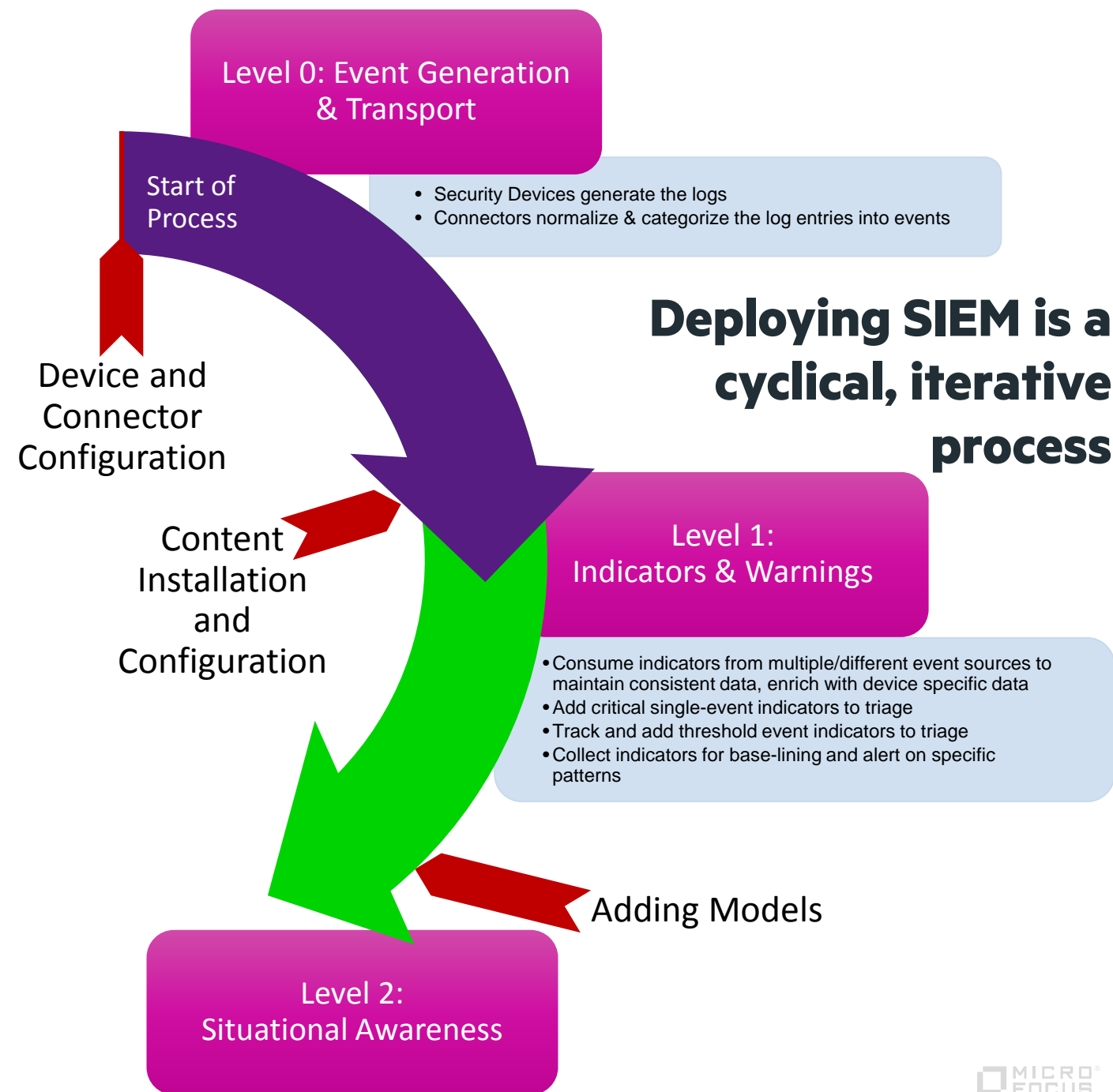
Content Installation and Configuration

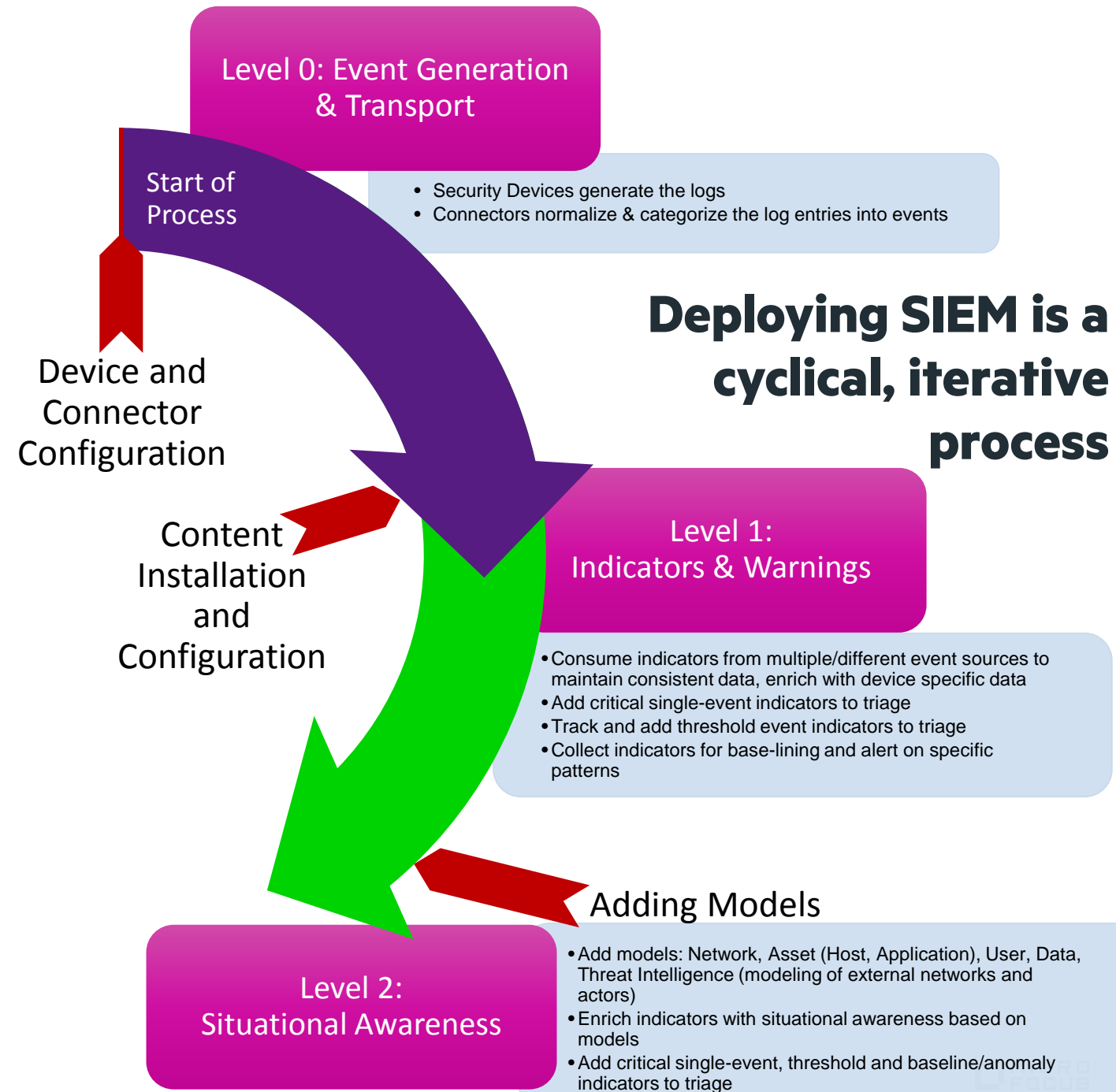
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Device and Connector Configuration

Content Installation and Configuration

Add a State Model

Level 1: Indicators & Warnings

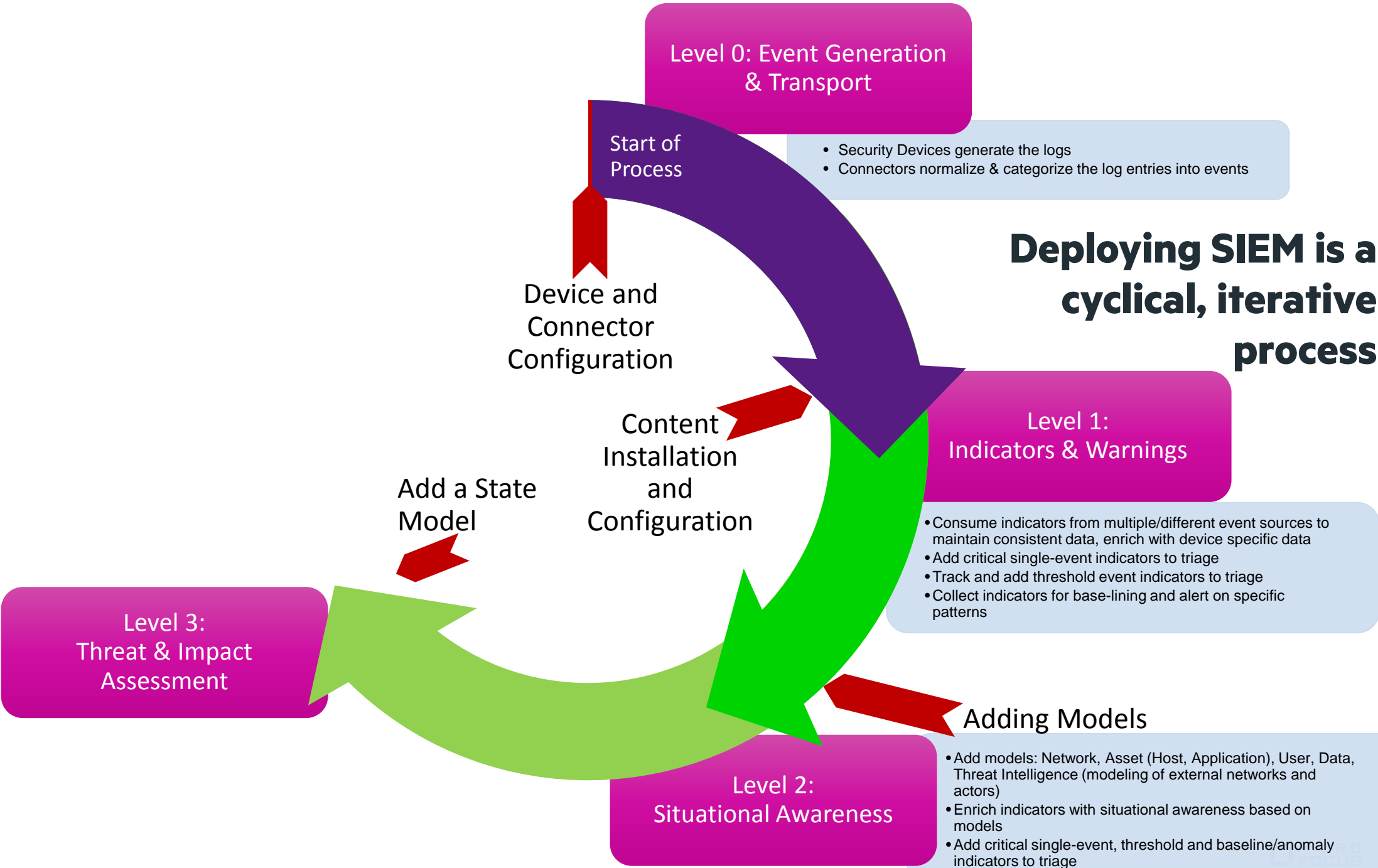
- Consume indicators from multiple/different event sources to maintain consistent data, enrich with device specific data
- Add critical single-event indicators to triage
- Track and add threshold event indicators to triage
- Collect indicators for base-lining and alert on specific patterns

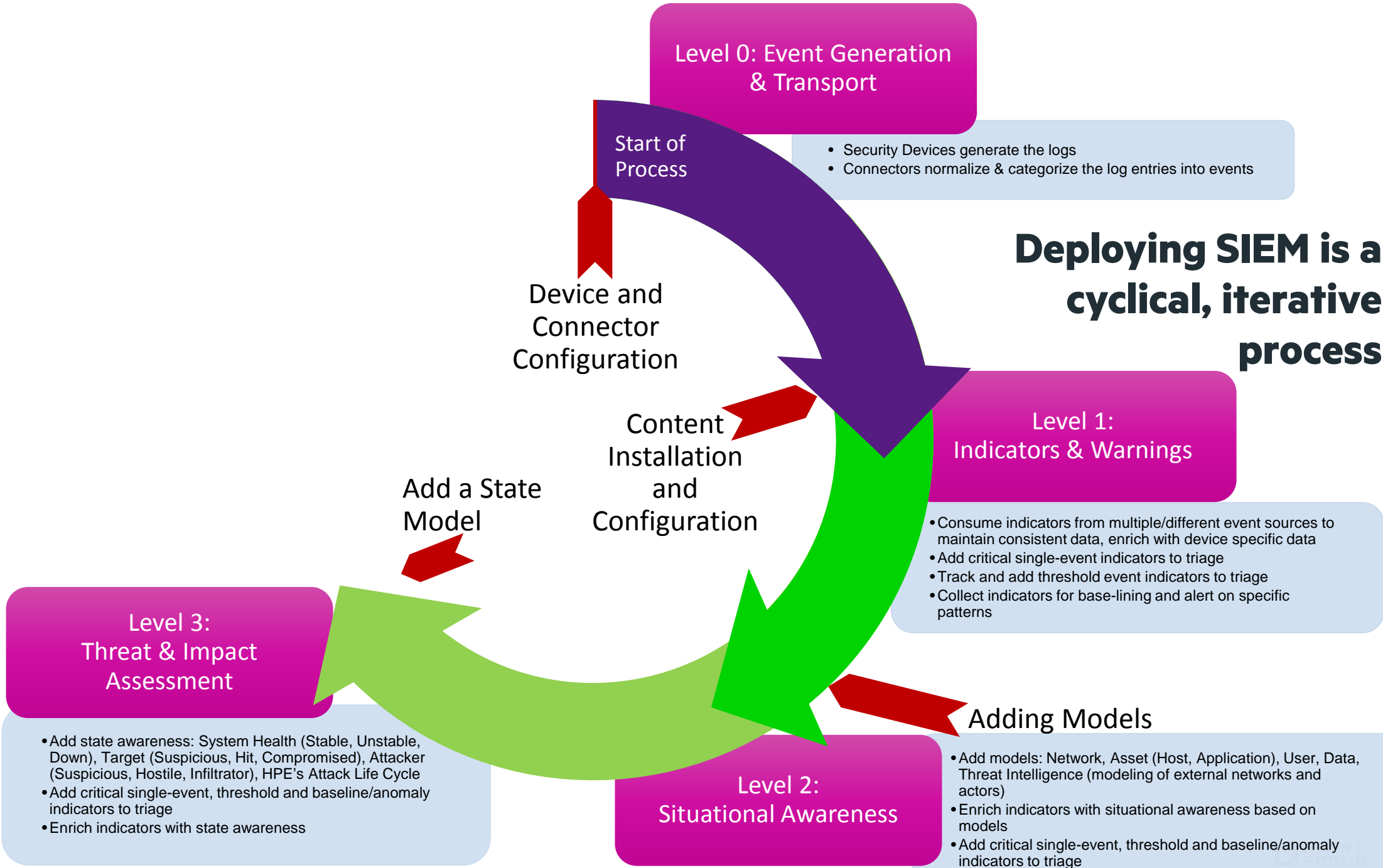
Adding Models

Level 2: Situational Awareness

- Add models: Network, Asset (Host, Application), User, Data, Threat Intelligence (modeling of external networks and actors)
- Enrich indicators with situational awareness based on models
- Add critical single-event, threshold and baseline/anomaly indicators to triage









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Tuning & Refining



Add a State Model

Level 3: Threat & Impact Assessment

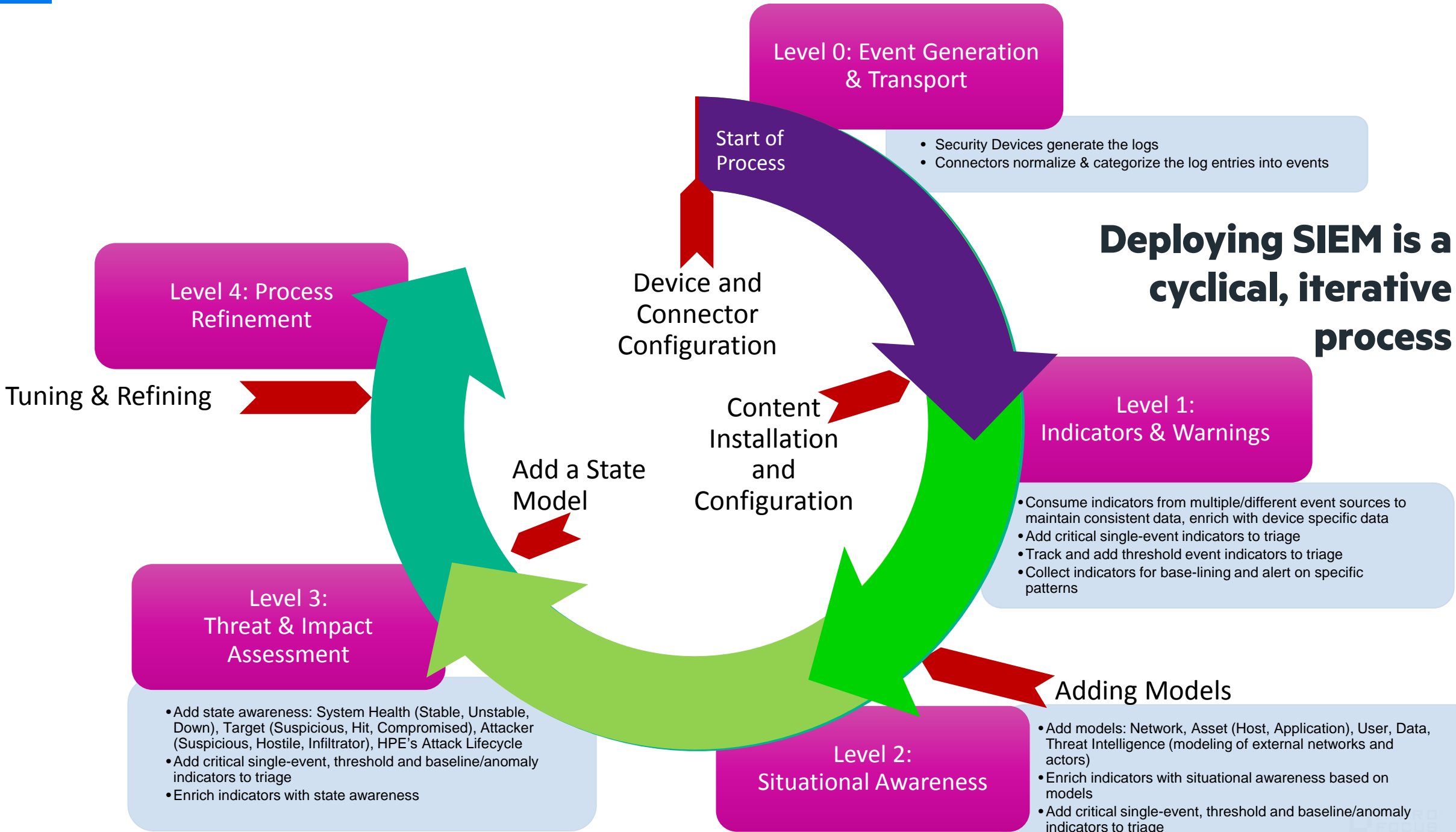
- Add state awareness: System Health (Stable, Unstable, Down), Target (Suspicious, Hit, Compromised), Attacker (Suspicious, Hostile, Infiltrator), HPE's Attack Lifecycle
- Add critical single-event, threshold and baseline/anomaly indicators to triage
- Enrich indicators with state awareness

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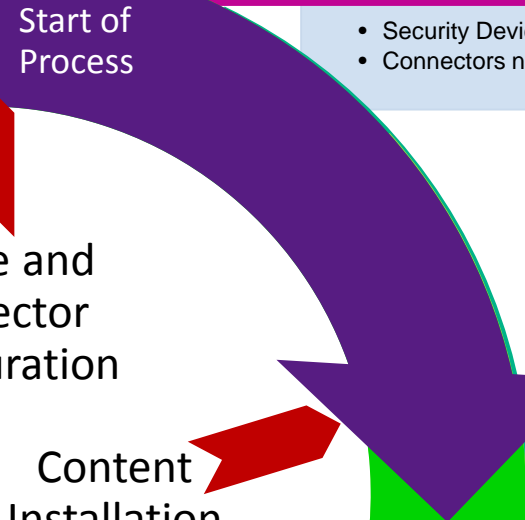




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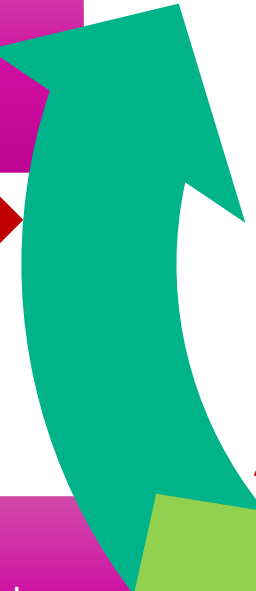
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Level 4: Process Refinement

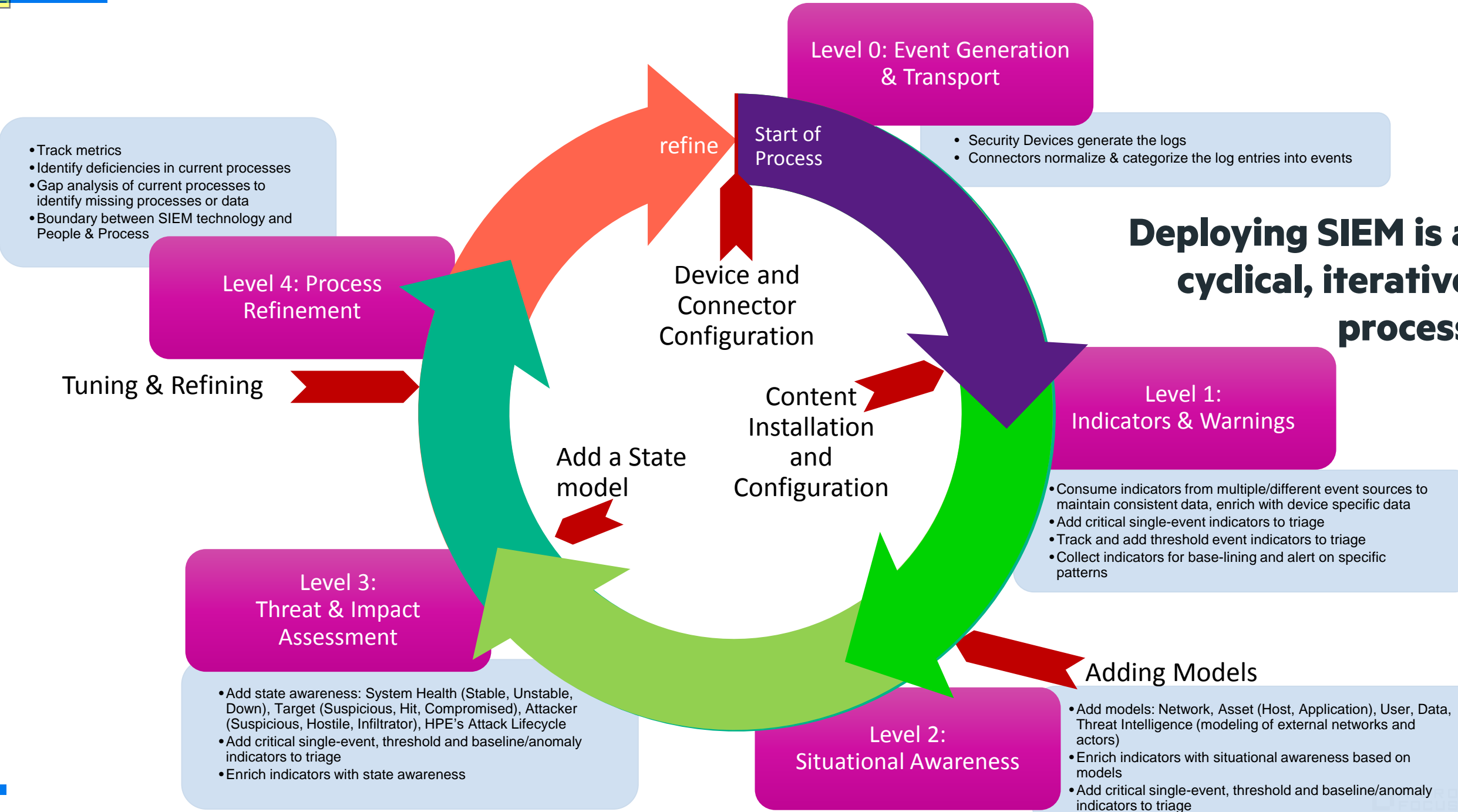
- Track metrics
- Identify deficiencies in current processes
- Gap analysis of current processes to identify missing processes or data
- Boundary between SIEM technology and People & Process

Tuning & Refining





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Level 4: Process Refinement

Tuning & Refining

Start of Process

Device and Connector Configuration

Content Installation and Configuration

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Adding Models

The Data Fusion Model

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