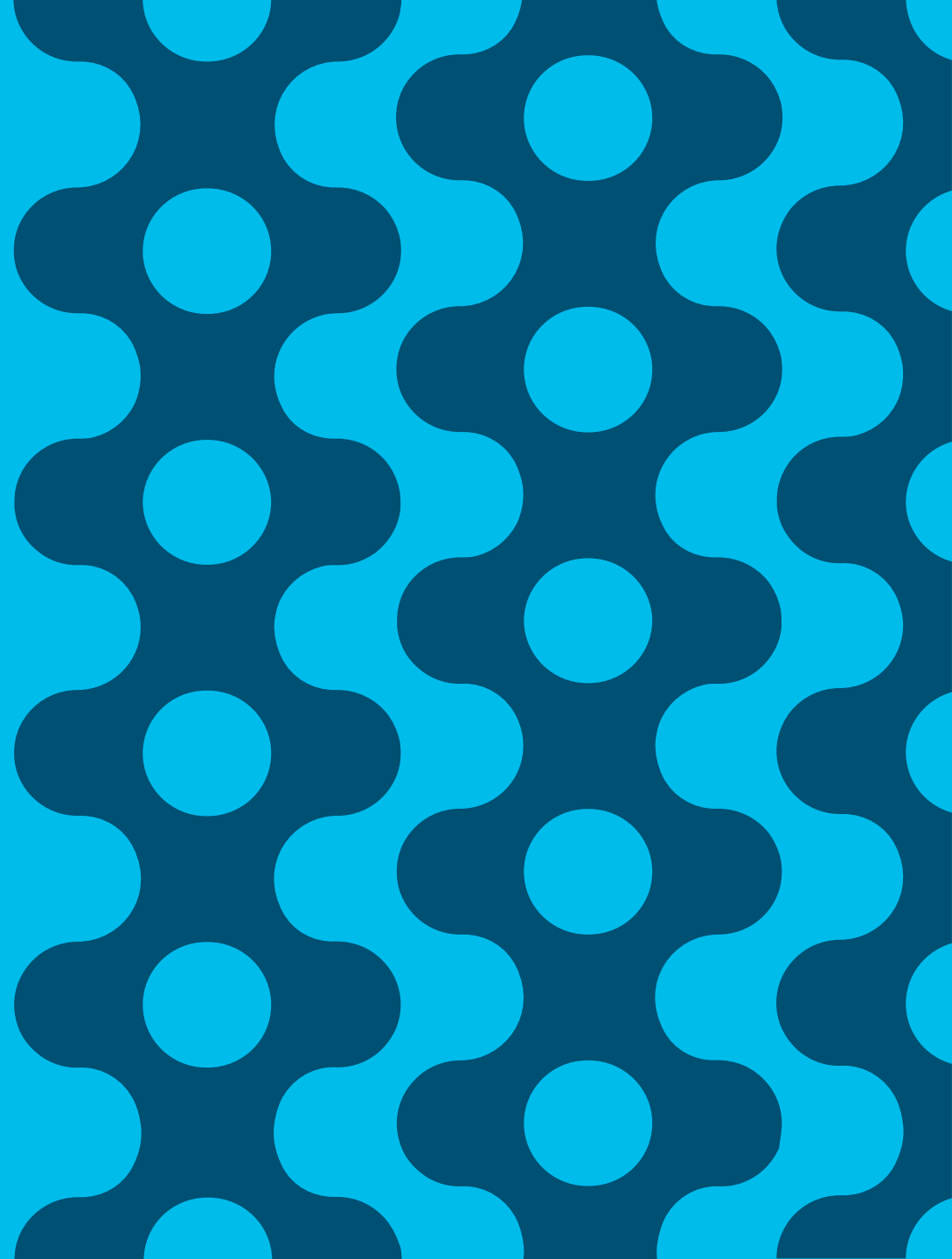


Prime and DNA can co-
exist



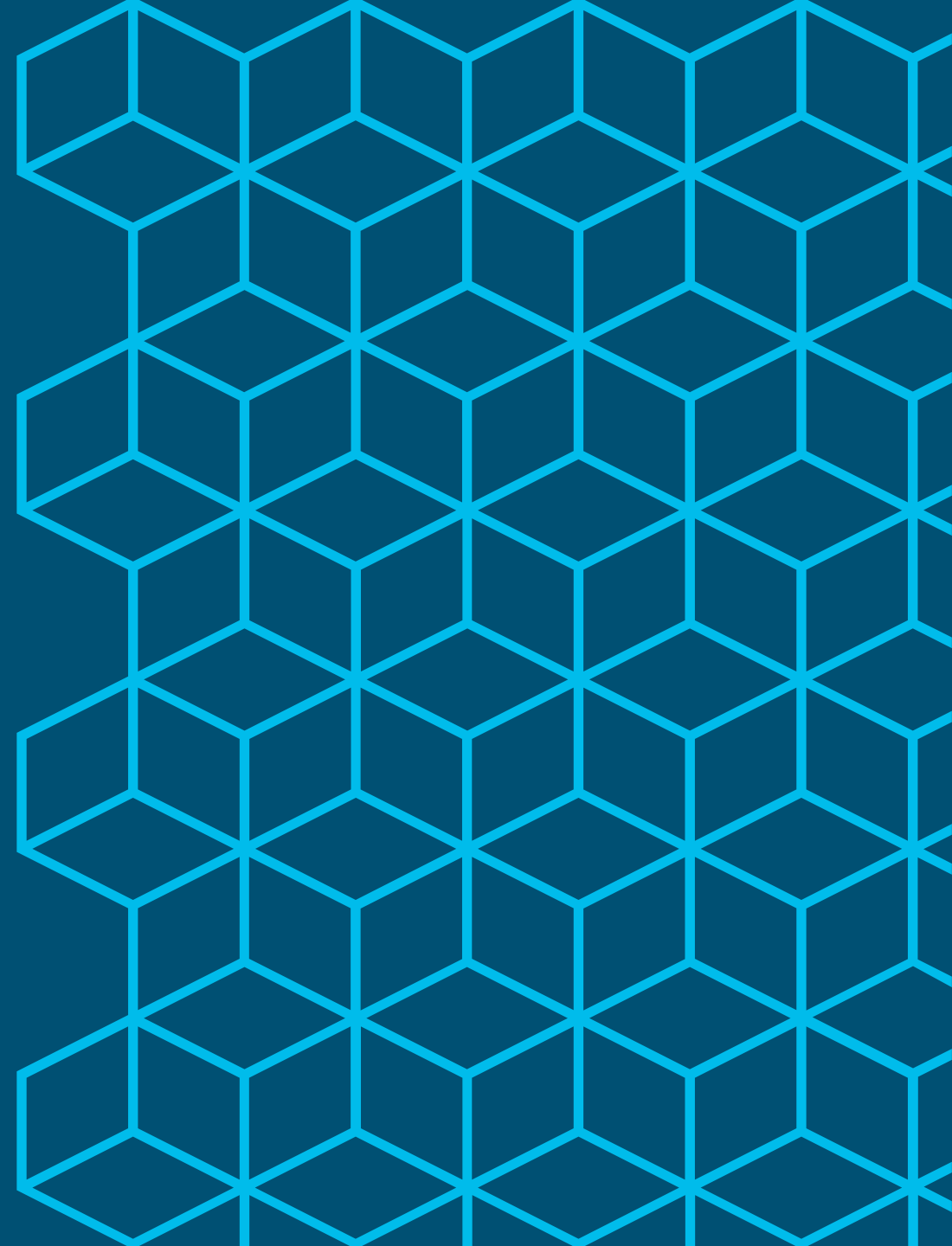
DNA-C and Prime Co-Existence-Assurance Use Cases

		DNA Center	Prime	Both	
Analytics and Visibility	Application Visibility			✓	
	Reporting		✓		DNA Assurance will have client reports in 1.2 (EFT quality), more reports will be added in future releases
	Health Dashboards			✓	Assurance provides simplified health score and prevents the need to view multiple KPIs across several dashboards
	Compliance Reports		✓		
	iOS Wi-Fi Analytics	✓			Client site perspective: RSSI, disconnected reasons
	Application Experience			✓	Assurance provides visibility into 2400+ applications (router based)
	Rogue management		✓		
Proactive Troubleshooting	Intelligent Capture	✓			On demand troubleshooting for VIP clients and wireless network
	Proactive Sensor Testing	✓			Dedicated 1800s sensor and AP as a sensor
	Real time Analytics	60 sec to 5 min	5 min to 15 min		DNA Assurance uses subscription based streaming telemetry from WLCs and APs
	Historical Troubleshooting			✓	Assurance give you a correlated view that allows you to travel back in time and to analyze client, network, and application failures
	Integration with ITSM (Service Now)	✓			
	CMX Integration			✓	Assurance provides real time location ~ 3-10m accuracy
Correlated Insights	Issue generation	✓			150+ issues across wireless and wired infrastructure
	Contextual analytics	✓			
	Guided Remediation	✓			




DNA Center and Prime Co-Existence- Automation Use Cases

		DNA Center	Prime	
Core Functions	Wireless Maps for AP Placements	Better	✓	Bi-directional sync (CMX-DNA)
	CMX Integration	✓	✓	
	AP Onboarding	Better	✓	PNP Integration
	AP Day 2 Changes	✓	✓	Template based and plan to bring intent based
	WLC Configuration - Day 0/N		✓	
	Brownfield Support (Learning from WLC)	✓	✓	
	SWIM	Better	✓	Golden images, Integrity check, CCO integration
	Reports		✓	
Advanced	Configuration Audit & Compliance		✓	
	Rolling AP Upgrades		✓	
	Bulk Configuration changes on multiple WLC's		✓	
	Position by 2 walls and 3 points		✓	
	Auto Placement of AP's using CAD Files	✓		
Differentiators	Location/IP/Switchport based AP Onboarding	Roadmap		
	Unified configuration flow for all architectures	✓		
	Flex Enhancements for SWIM	Roadmap		


DNA Assurance Feature Journey






DNA Assurance Features

Category	1.1.2 	1.1.5 	1.2.1 	1.2.5*
Client Health	<ul style="list-style-type: none"> Health Score Trend Line Onboarding, RSSI SLA Dashlet Client Count per SSID/Band Filters: SSID 	<ul style="list-style-type: none"> Health Score Improvement (SNR) New SLA Dashlets: SNR, DNS AAA and DHCP server view Client Table List view Filters: Band (2.4 v/s 5.0) 	<ul style="list-style-type: none"> Client Health Reports 	<ul style="list-style-type: none"> New Client Health Summary Near Real-time Client Updates
Network Health	<ul style="list-style-type: none"> Health Score Trend Line Control, data and policy plane health 	<ul style="list-style-type: none"> Separate AP and WLC Health Score Top N AP Analytics: Client count, AP Up/Down Device Table List view 	<ul style="list-style-type: none"> Distribution by Device type, Model, and OS Drill Down for the Overall and 24hr Summary Dashlet 	<ul style="list-style-type: none"> Top N AP Analytics: Interference ME Support (200 MEs)
App Health	<ul style="list-style-type: none"> Not available 	<ul style="list-style-type: none"> Not available 	<ul style="list-style-type: none"> Health Score Trend Line 	<ul style="list-style-type: none"> Site filter Intelligent Capture (EFT) – On-Demand Wi-App analytics using AP4800
Client 360	<ul style="list-style-type: none"> Time Travel with Client Health Apple iOS Analytics RF Analytics, Usage (Tx/Rx Bytes) Onboarding Topology Device Information 	<ul style="list-style-type: none"> DNS Request/Response Chart Path Trace 	<ul style="list-style-type: none"> CMX Integration for Client Location KPI view on Time Travel Onboarding Event Viewer Custom Time Range Selection 	<ul style="list-style-type: none"> Intelligent Capture (EFT) – Automated client troubleshooting Near Real-time update (onboarding events, new client) Low health Score Indication
AP 360	<ul style="list-style-type: none"> Time Travel with AP Health 	<ul style="list-style-type: none"> Radio Traffic RF Charts (Hover consistency) 	<ul style="list-style-type: none"> Custom Time Range Selection 	<ul style="list-style-type: none"> Intelligent Capture (EFT) – Real-time RF analytics, Spectrum Analyzer Reachability issue (link errors) Health Score Improvement (Ignore radios in monitor mode)

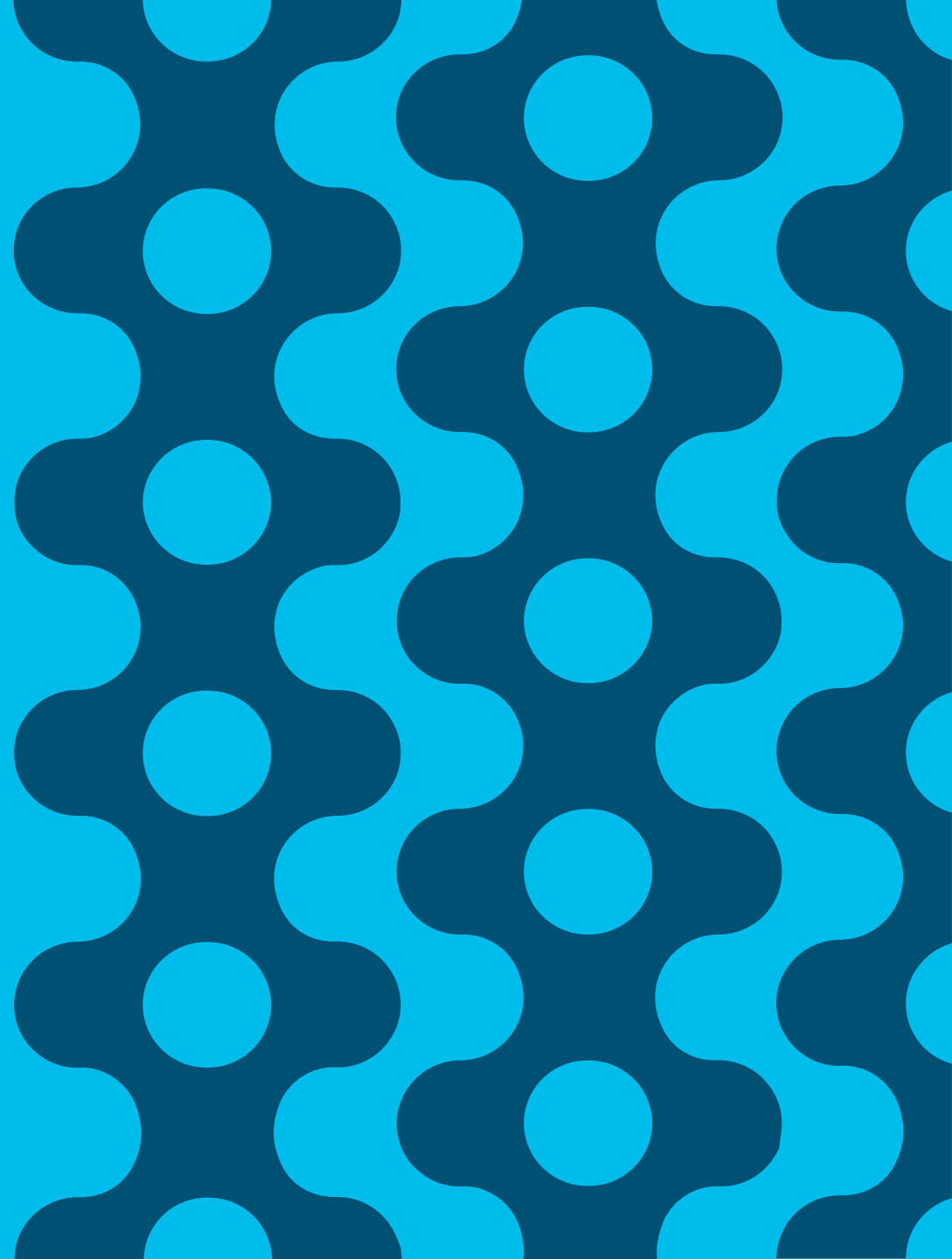
DNA Assurance Features

 - Shipping

* - Roadmap Items

Category	1.1.2 	1.1.5 	1.2.1 	1.2.5*
App 360	<ul style="list-style-type: none"> • Not available 	<ul style="list-style-type: none"> • Not available 	<ul style="list-style-type: none"> • Health score per App level • App Experience in Client 360 (Router based) • App Experience per App level (Router based) 	<ul style="list-style-type: none"> • Multiple exporter in App 360
Issues & Guided Remediation	<ul style="list-style-type: none"> • 100+ issues across Wireless and Wired • Issue Catalog 	<ul style="list-style-type: none"> • Impacted Clients and location • DHCP/AAA grouping 	<ul style="list-style-type: none"> • Global Issues • Event viewer logs, OS charts for Auth/DHCP failures 	<ul style="list-style-type: none"> • Global Client Issues to show Top OS, device type & location • Catalog: Time Travel, Site filter • Priority tags on Issue • AP noise and interference analytics for client timeout issues
Sensor Test & Dashboard	<ul style="list-style-type: none"> • 10+ Active tests across Onboarding, Network Services and App connectivity 	<ul style="list-style-type: none"> • New Tests: WebAuth • Global Issues for Sensor tests failures 	<ul style="list-style-type: none"> • 1800s Dedicated Sensor Support • Sensor Dashboard with Trend Analysis 	<ul style="list-style-type: none"> • New Tests: App Experience, Speed test • AP as a Sensor support • Floor reassignment for 1800S
Wired	<ul style="list-style-type: none"> • Insights: TCAM Exhaustion, Temperature TS & Polling Plan • Switch 360: Neighbor Topology 	<ul style="list-style-type: none"> • Insights: High Temperature based on additional syslogs, Stack wise down, Device Unresponsive • Switch 360: Time Travel for connected clients 	<ul style="list-style-type: none"> • SDA New Arch: Multi-Site (EFT) 	<ul style="list-style-type: none"> • SDA Multi-Site hierarchical health dashboard • Path Trace: L2 SDA/Fabric Enhancement • Fabric WLC node failed to reach Control-Plane server • Infra Link Status Tracking
Platform Integrations	<ul style="list-style-type: none"> • Data Retention: 14 days 	<ul style="list-style-type: none"> • Tableau Integration 	<ul style="list-style-type: none"> • Reporting (EFT) • Cloud Analytics (EFT) 	<ul style="list-style-type: none"> • ITSM – Service Now • S4B(Voice) integration for call records & MOS score (EFT)

Key Use Cases of DNA Assurance 1.2



Key Use Cases of DNA Assurance in 1.2

Client Onboarding



Visibility:
Analytic view on Time taken to onboard



Onboarding Event Viewer:
Track 240+ states for all clients



Guided Remediation:
30+ onboarding issues with next steps to fix issues

Client and Network Experience



Health Score Dashboard:
One score with access to impacted clients and devices



Client 360:
Client RF perspective with Apple iOS analytics (RSSI)



Client Location:
Poor RF Issue now can be isolated with client location

Sensor based SLA Monitoring



Sensor Types:
1. 1800s Active Sensor
2. Wave 2 AP as a sensor



Active Testing:
Proactively test the network and end user experience



SLA Dashboard:
Onboarding, Network Services and App Connectivity

Application Experience



Health Score Dashboard:
Monitor App Health score of business critical apps



App 360:
Troubleshoot App issues with a view on performance metrics



Client 360:
Troubleshoot specific clients facing app experience issues