# THE STATE OF API DESIGN

Layer 7, a CA Technologies company, surveyed over 180 API Management professionals to look toward the future of API design and deployment. See what's in store for API programs.

# API DESIGNERS ARE SPLIT OVER THEIR TOP PRIORITY: SECURITY OR USABILITY CLEARLY, BOTH REMAIN KEY ISSUES IN SUCCESSFUL API DESIGN



44.1% of API designers list security as their greatest concern

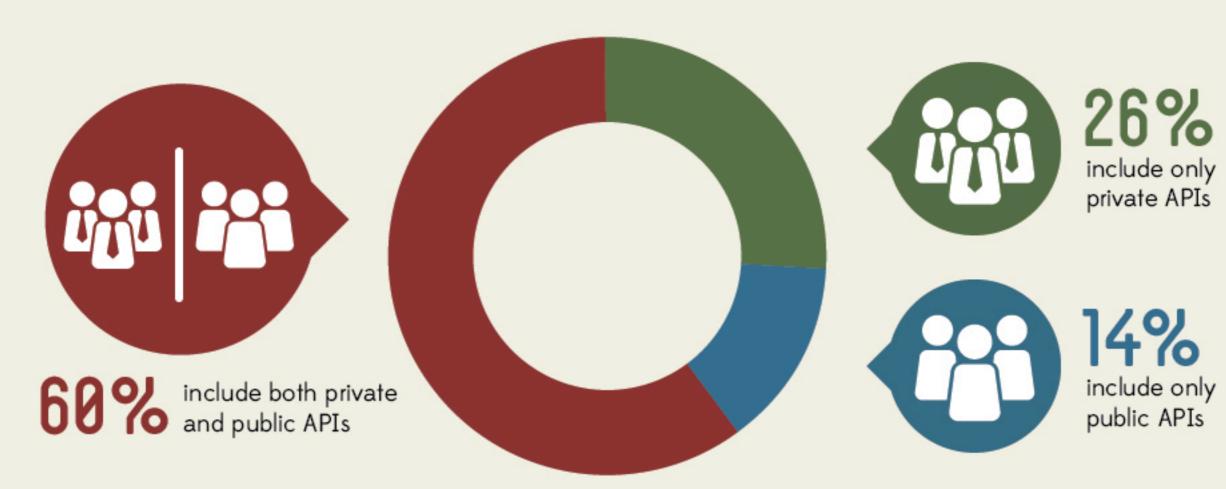


38.2% are more concerned with usability



17.7% can't decide

#### MOST API PROGRAMS INCLUDE (OR PLAN TO INCLUDE) PRIVATE APIS



## APIS ARE SPLIT FAIRLY EVENLY BETWEEN XML AND JSON





TESTING AND DEPLOYMENT:



### HTTP US. THE WORLD

41.9% SUPPORT SOAP OVER HTTP

With an additional 19.1% intending to add SOAP support

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SUPPORT CRUD OVER HTTP

With an additional 18.8% intending to add CRUD support

26.3% SUPPORT HYPERMEDIA OVER HTTP

With an additional 28% intending to add hypermedia support

#### DEPLOYMENT

API designers rely on special tools throughout the creation of API programs PERCENT OF DESIGNERS USING TOOLS IN THE FOLLOWING STAGES:

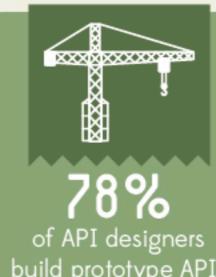
64.5%

DESIGN AND DEVELOPMENT: 65.6%

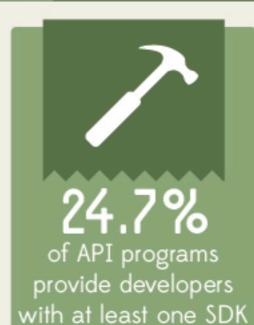
SECURITY AND MANAGEMENT: 57.5%

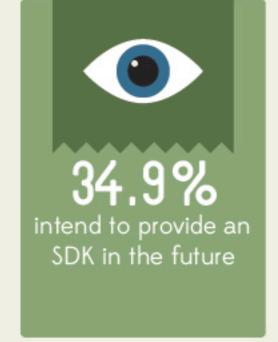
DOCUMENTATION: 56.5%

PERFORMANCE MANAGEMENT: 40.3%



of API designers build prototype APIs before launching their API programs





#### API PROGRAMS TARGET MULTIPLE DEVELOPERS



of API programs target

internal developers



54.8% API programs

target third-party mobile developers



53.8%

API programs target third-party web developers



30.1%
API programs target

third-party server integration developers

BUILDING SCALABLE, SECURE AND FLEXIBLE APIS THAT MEET YOUR ORGANIZATION'S NEEDS IS NO EASY TASK.

This infographic was based on online surveys with over 180 API Management professionals and enterprise architects.

UNDERSTANDING THE DIFFERENT DESIGN CHOICES IS KEY TO MAKING YOUR API PROGRAM EFFECTIVE.



