

Top Mobile Multifactor Voice Biometrics Strategies and Ramifications of the Cloud

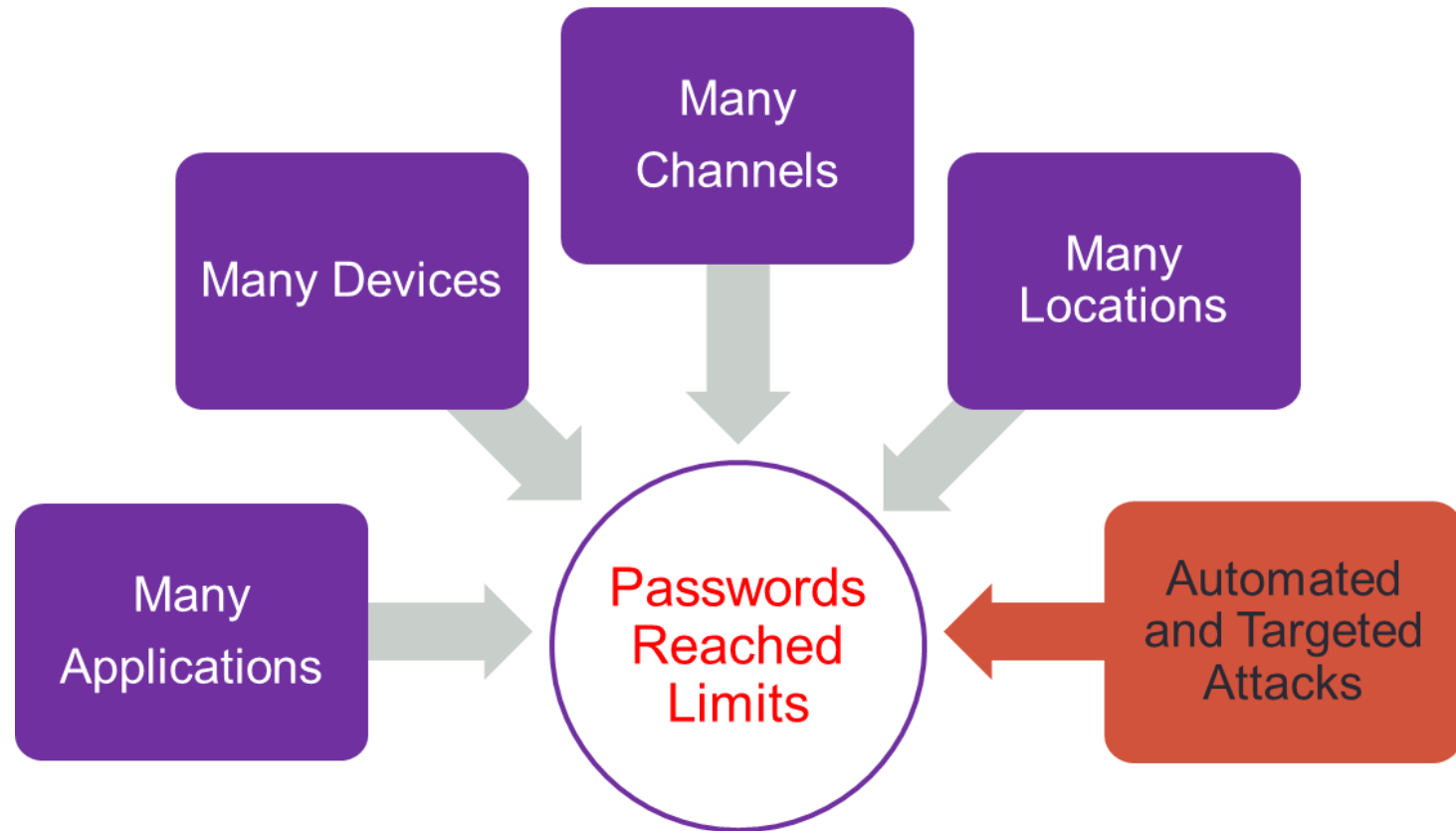
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Valene Skerpac
iBiometrics, Inc.



Agenda

- Why Multifactor Voice Biometrics?
- Multifactor Solution Model
- Top Voice Biometrics Mobile Strategies
- Ramifications of Voice Biometrics in the Cloud
- Summary

Many Authentication Use Cases



User Authentication

- Something you know
 - ID and Password/PIN
 - Knowledge based Q&A
- Something you have
 - Token (becoming phone based), Card, Cert
- Something you are
 - Biometrics (Voice, Face, Iris, Finger.....)

Biometric Authentication Value as a Multi-factor Option

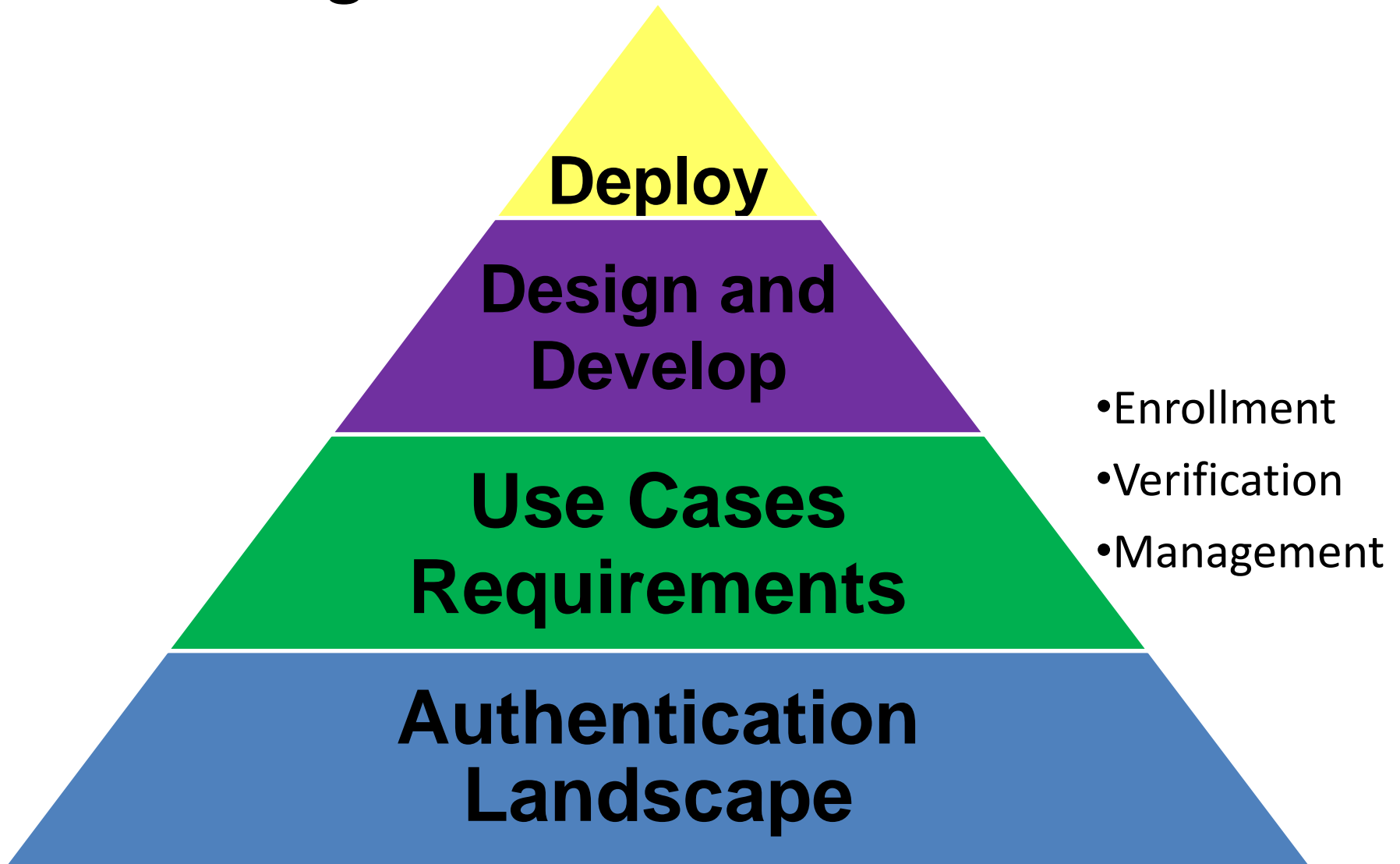
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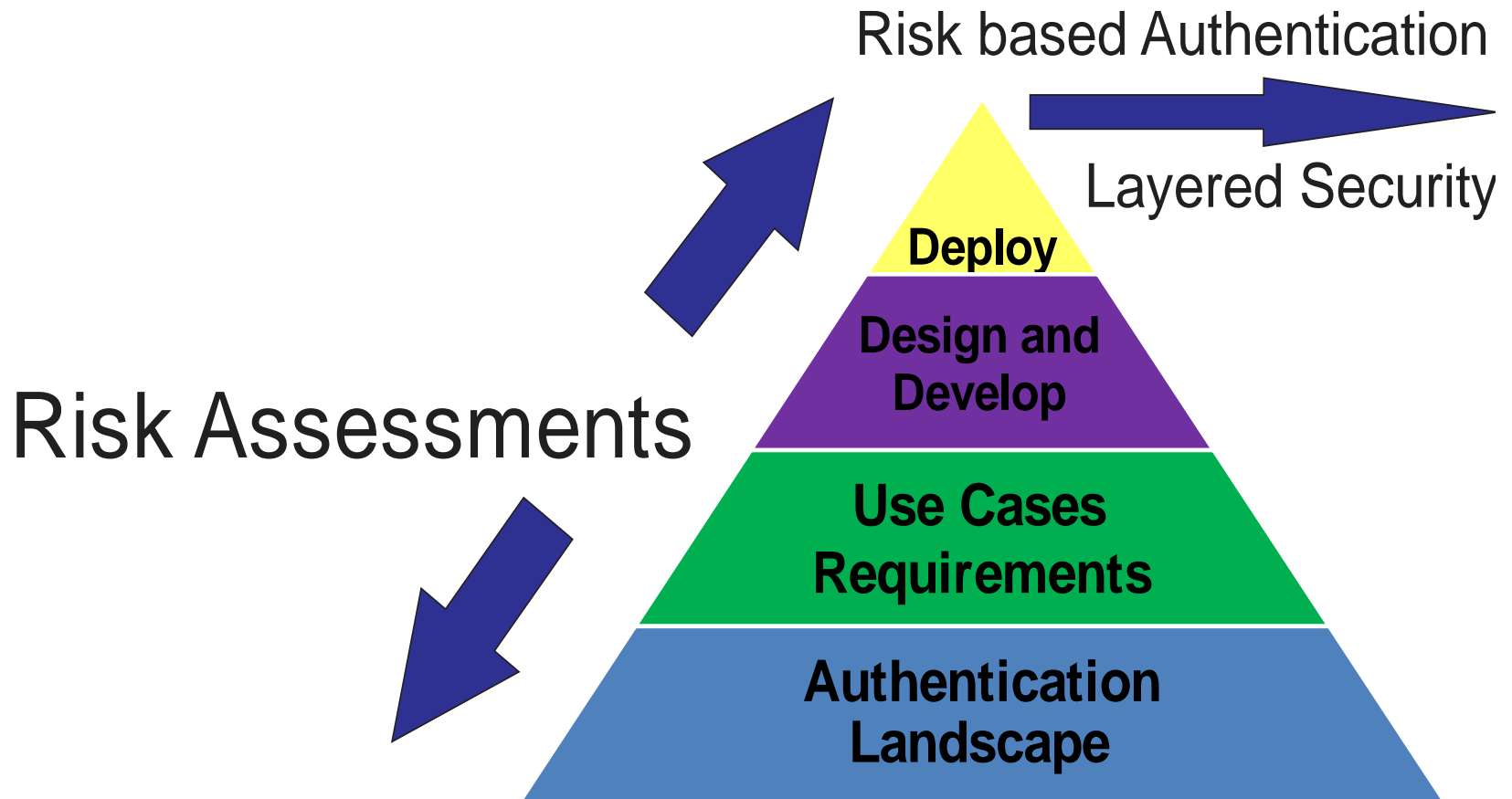
Convenient

Personalization

Building an Authentication Solution

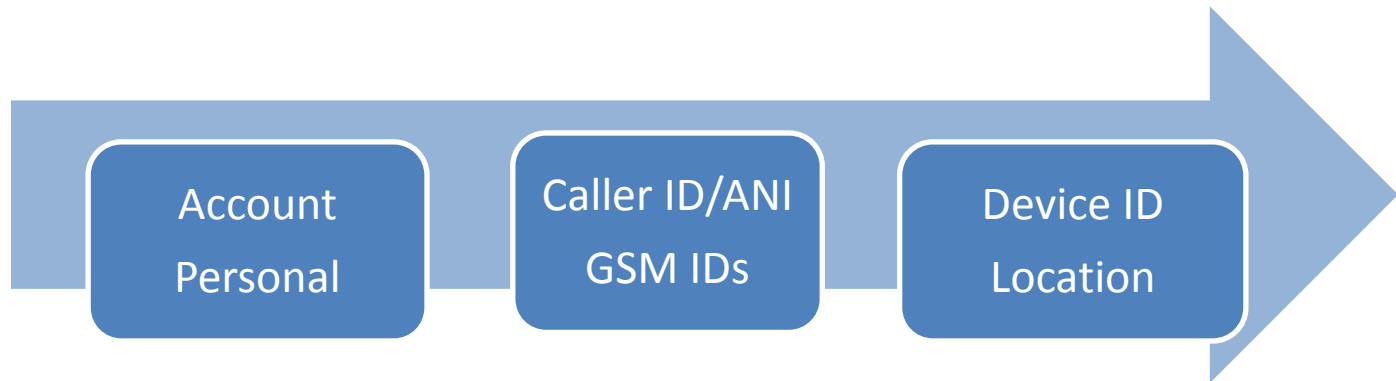


Process to Build a Multifactor Authentication Solution



Top Voice Biometric Multifactor Mobile Strategies Today

- Call Center/CRM applications
- Emerging Countries applications (Cellular Networks)
- Smartphone applications



Smart devices have a growing number of biometric and other sensors for monitoring options that play into security trends for risk based authentication and layered security

Ramifications of the Cloud

- Two Reasons Why ‘Biometrics in the Cloud’ Makes Sense Today
 - Big Data
 - More Access
- National Research Council Report, ‘Biometrics Recognition: Challenges and Opportunities’
 - Challenges
 - Complex and inherently Probabilistic
 - Opportunities and Recommendations
 - Pragmatic Deployments
 - More Research to understand population effects overtime

Summary

- Why Multifactor Voice Biometrics?
- Multifactor Solution Model
- Top Voice Biometrics Mobile Strategies
- Ramifications of Voice Biometrics in the Cloud

Valene Skerpac, CISSP

valene@ibiometrics.com

www.ibiometrics.com/IDplusvoice