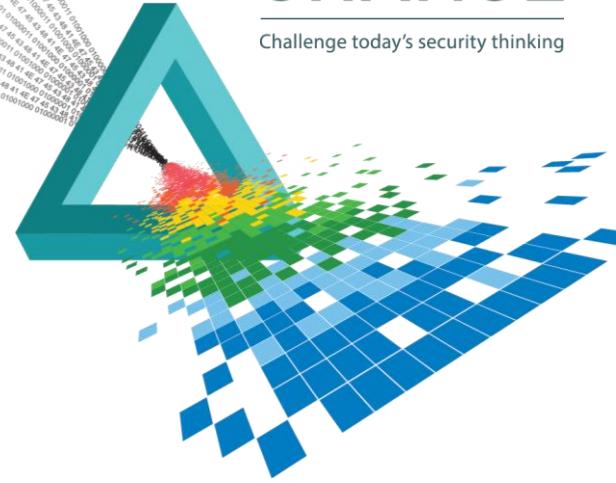


SESSION ID: SEC-R08

Future of networking technologies – incremental change or disruptive shift?

CHANGE

Challenge today's security thinking



Menny Barzilay

Chief Security Evangelist
Uniken
@MennyBarzilay

















trust











IPv6





Application

Presentation

Session

Transport

Network

Data Link

Physical























Certificate Authority





That's Me

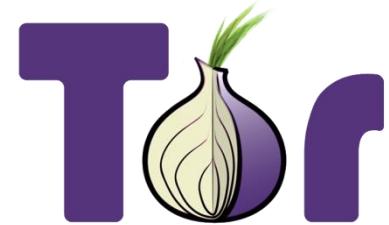






BYTES

More than 500 bogus certificates issued



RISK ASSESSMENT / SECURITY & HACKTIVISM

Google Chrome will banish Chinese certificate authority for breach of trust

[Updated]

Draconian move follows the issuance of certificates masquerading as Google domains.

by Dan Goodin - Apr 2, 2015 6:55am EEST

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Weaknesses in SSL certification exposed by Comodo security breach

The scandal is that Comodo Group issued nine digital security certificates to someone with an Iranian IP address. The problem is much, much larger

InfoWorld | Mar 24, 2011



Comodo Group paints itself as a victim in the case of the [hijacked SSL certificates](#), claiming to be duped by the government of Iran into releasing electronic certificates that

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You have reached an aging web page that we no longer maintain. Be advised that information on this page may be outdated and possibly incorrect.

Unauthentic "Microsoft Corporation" Certificates

Original release date: March 22, 2001

Last revised: March 30, 2001

Source: CERT/CC

A complete revision history can be found at the end of this file.

Systems Affected

Systems whose users run code signed by Microsoft Corporation.

Overview





My Rules List – Rule #4

Attack Probability



My Rules List – Rule #4

Attack Probability

=

f [Incentive]

My Rules List – Rule #4.5

Service Provider Attack Probability



My Rules List – Rule #4.5

Service Provider Attack Probability

=

$f [\text{Incentive}_1] + f [\text{Incentive}_2] + \dots + f [\text{Incentive}_{n+1}]$

TRUST







Login

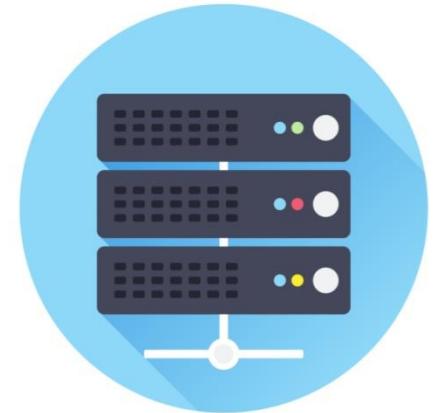
Email

Password

Sign in

Remember me [Forgot password?](#)









Microsoft®
Windows NT®







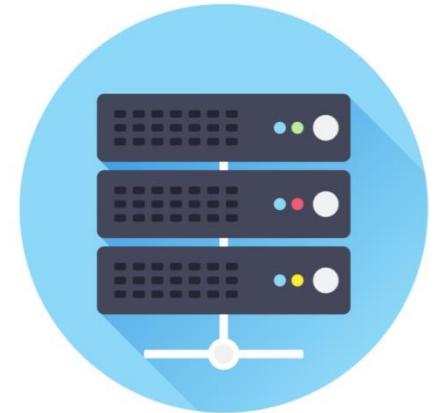
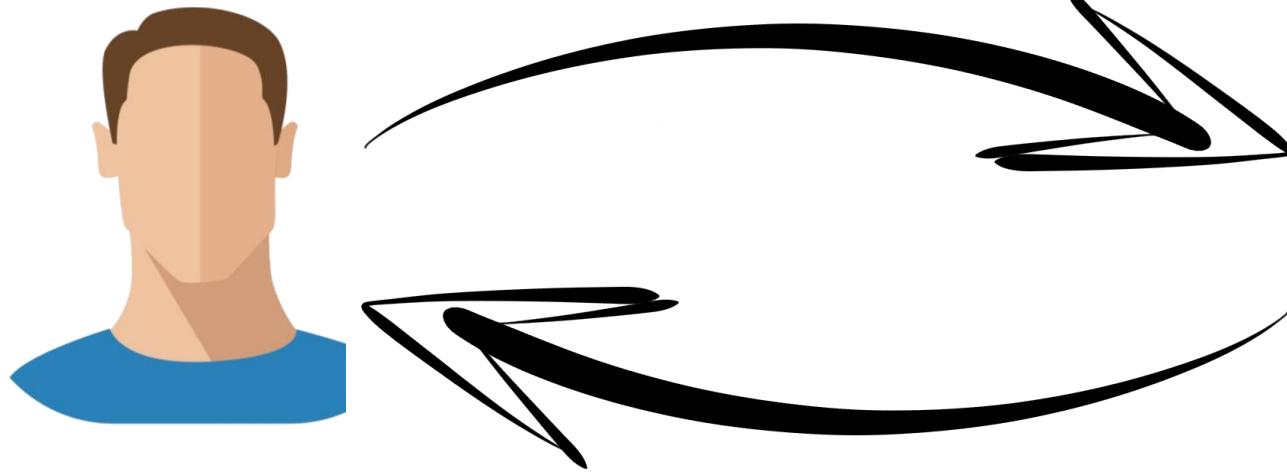
A man with curly hair and a beard, wearing a blue and white checkered shirt and a yellow tie, is cheering with his fist raised.

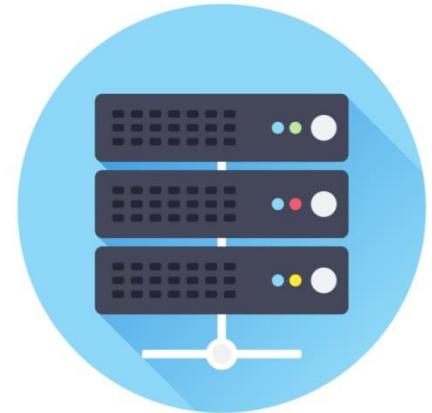
**PROBLEM
SOLVED!**











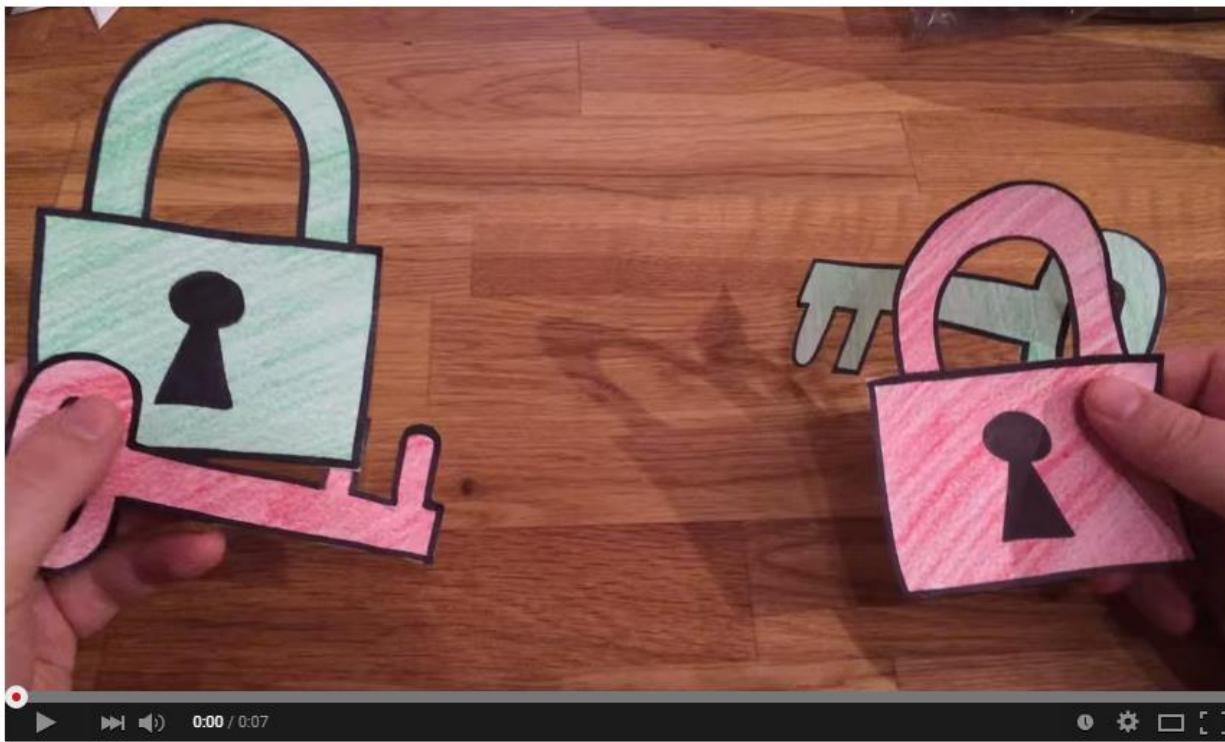




<https://www.youtube.com/watch?v=YteUqj1mmo0>



#RSAC



2,302

1 31

SSL Mutual Auth

Chez Maradine

הירשם מימי



הווסף אל הצג עוד שתף RSA Conference 2015



https://www.youtube.com/watch?v=YteUqj1mmo0



A black YouTube video player window showing a blank video frame. The player includes standard controls: play/pause, volume, and a progress bar indicating 0:00 / 0:07. Below the video frame, the title "SSL Mutual Auth" is displayed in English, followed by the Hebrew subtitle "הירחט ממני". The channel name "Chez Maradine" is shown, along with a small profile picture of a flaming torch. The video has 2,302 views.

2,302

1 31

73

הווסף אל הציג עוז שתף RSA Conference 2015







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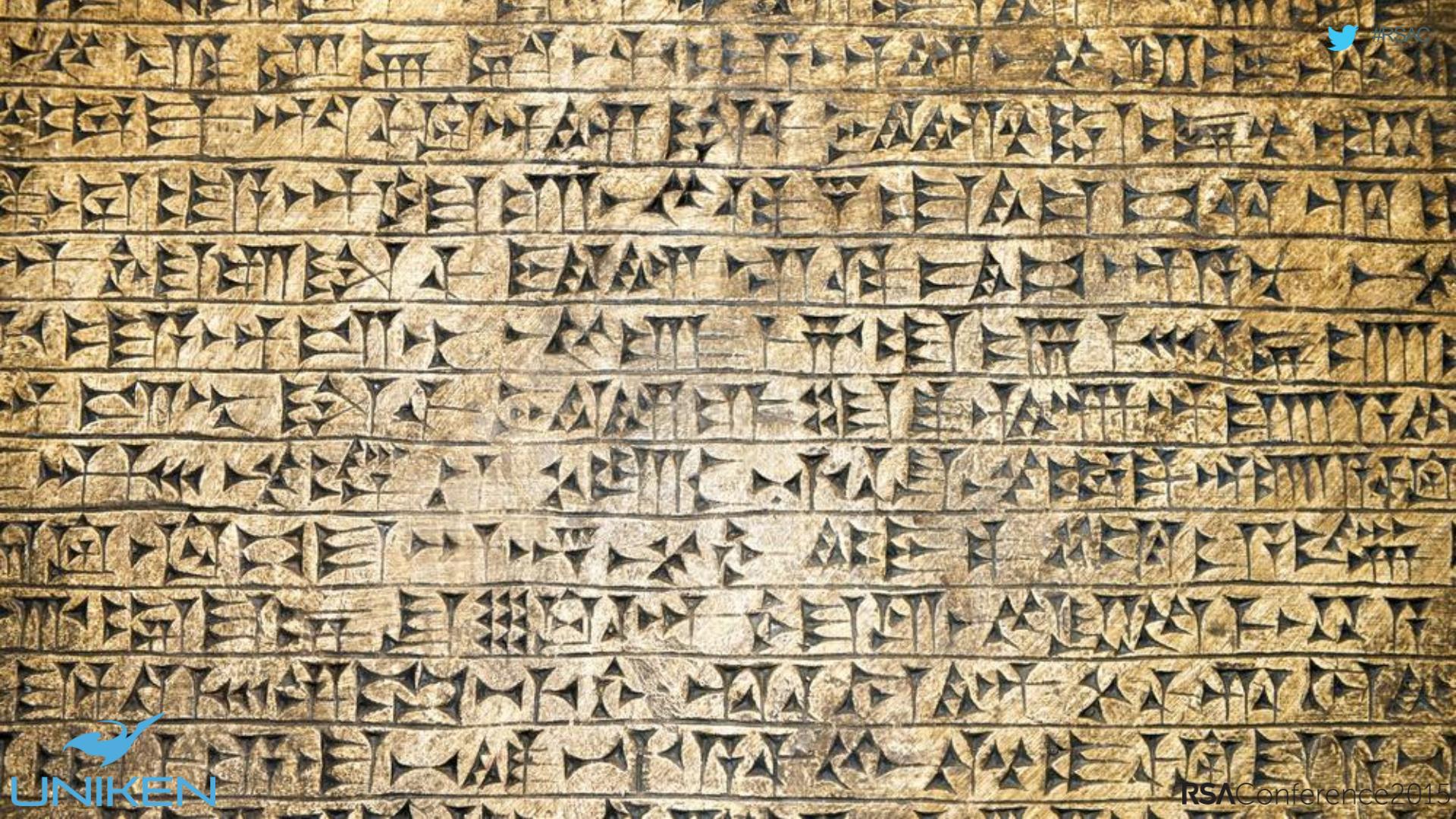






















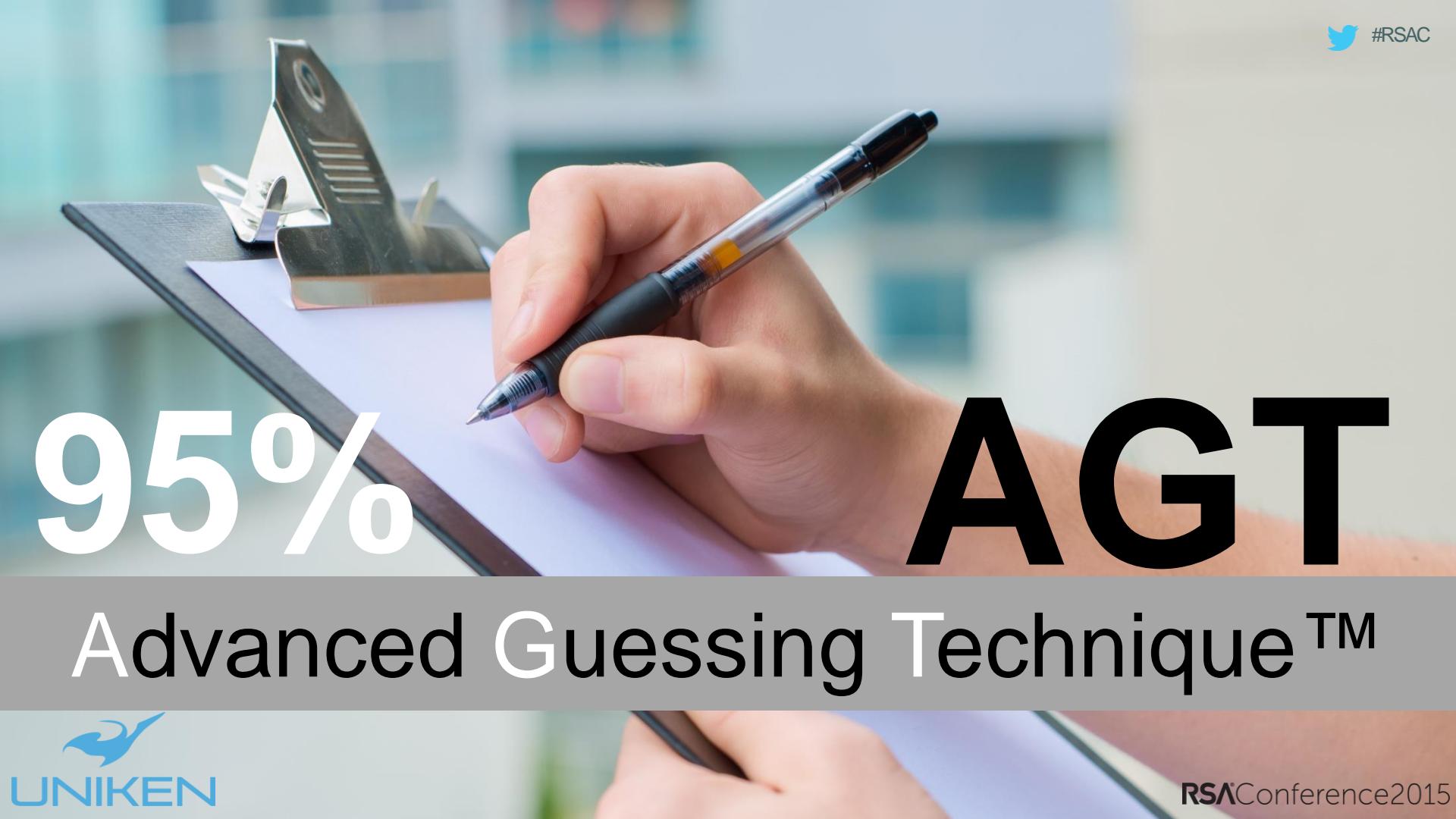












95%

AGT

Advanced Guessing Technique™





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for (var b = ,
and "onInputModified"textInput :
+ words + " UNIQUE: " + a.unique();
a.unique());}); function coreB
if (a.length) { return 8
else (" "), b = [], c = 0; c < a.length;
else unique() { for (var a = \$("input");
a & split(" "), b = [], c = 0; c < a.length;
c < a.length; c.unique = b.length;
c == use_array(a[c], 0);
a = \$(\$("#User_logged").val());
a.replace(/\w+/g, "");
a = a;a < inp_array.length; a, use_array[a];
use_array[a], use_array[a].length;







A photograph of a Target store's exterior. The building is white with a red "OTARGET" sign. It features a black and white striped overhang and brick pillars. A small tree stands in front. Two cars are parked in the foreground. A street lamp is visible on the right. The sky is clear and blue.

OTARGET



Lorem Ipsum

Lorem ipsum is simply dummy text of the printing and typesetting industry. Lorem ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley



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Innovation



Lorem Ipsum

Lorem ipsum is simply dummy text of the printing and typesetting industry. Lorem ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley



Lorem Ipsum

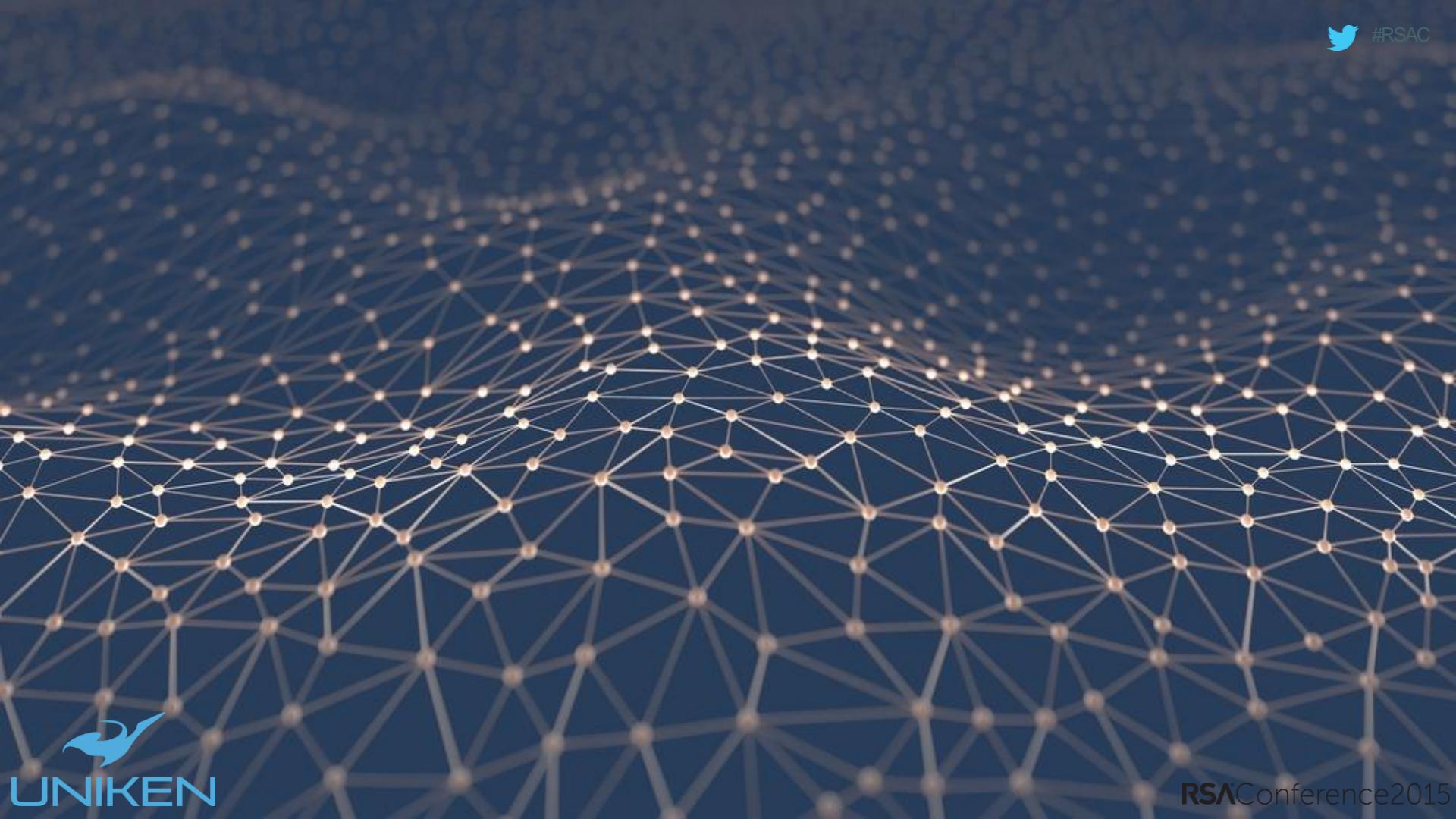
Lorem ipsum is simply dummy text of the printing and typesetting industry. Lorem ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley



Lorem Ipsum

Lorem ipsum is simply dummy text of the printing and typesetting industry. Lorem ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley









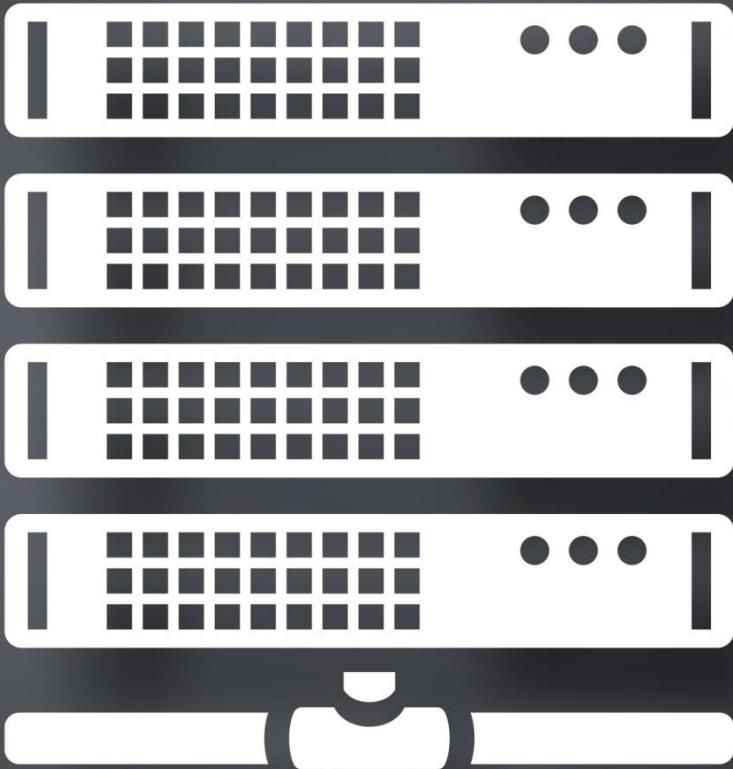
TRUST



No SPOF + Mutual Authentication
+ Scalable + Easy to Use + Strong
authentication + Trusted + Secure
+ ...





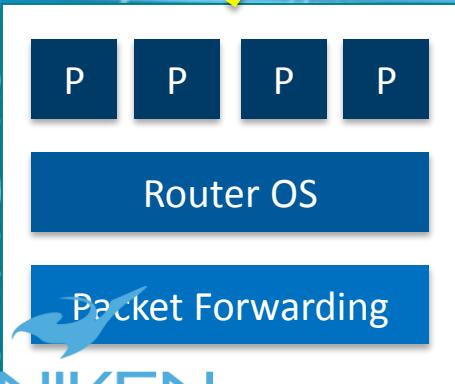
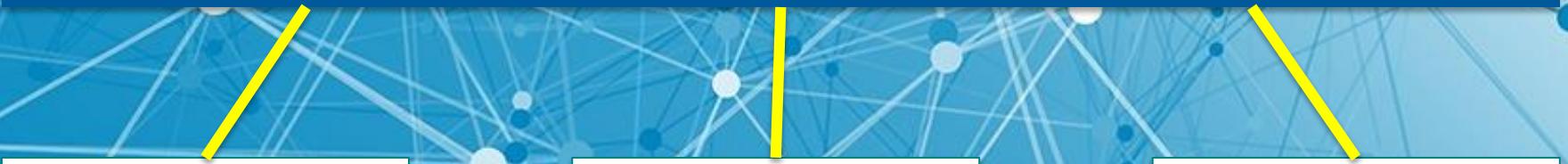




P P P P

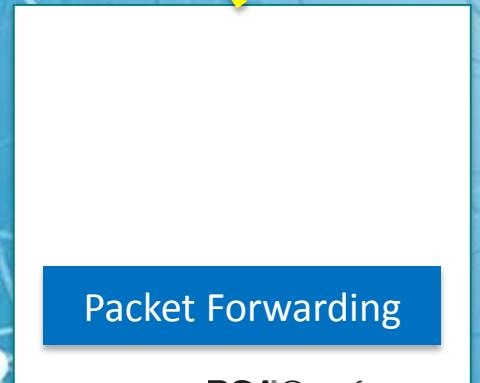
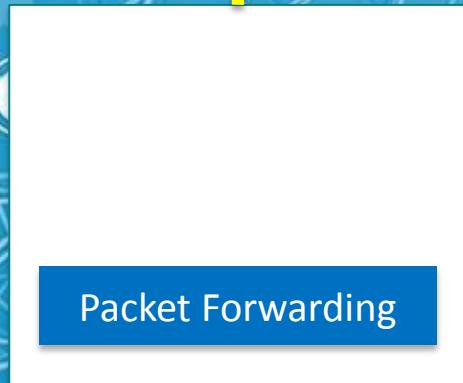
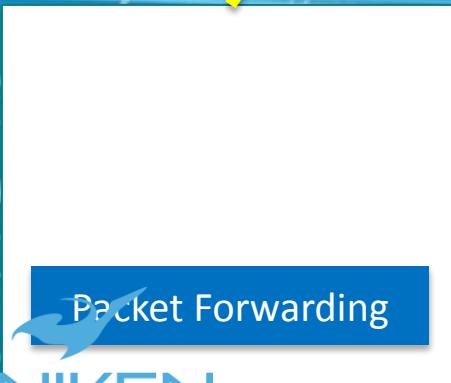
Router OS

Packet Forwarding





Router OS

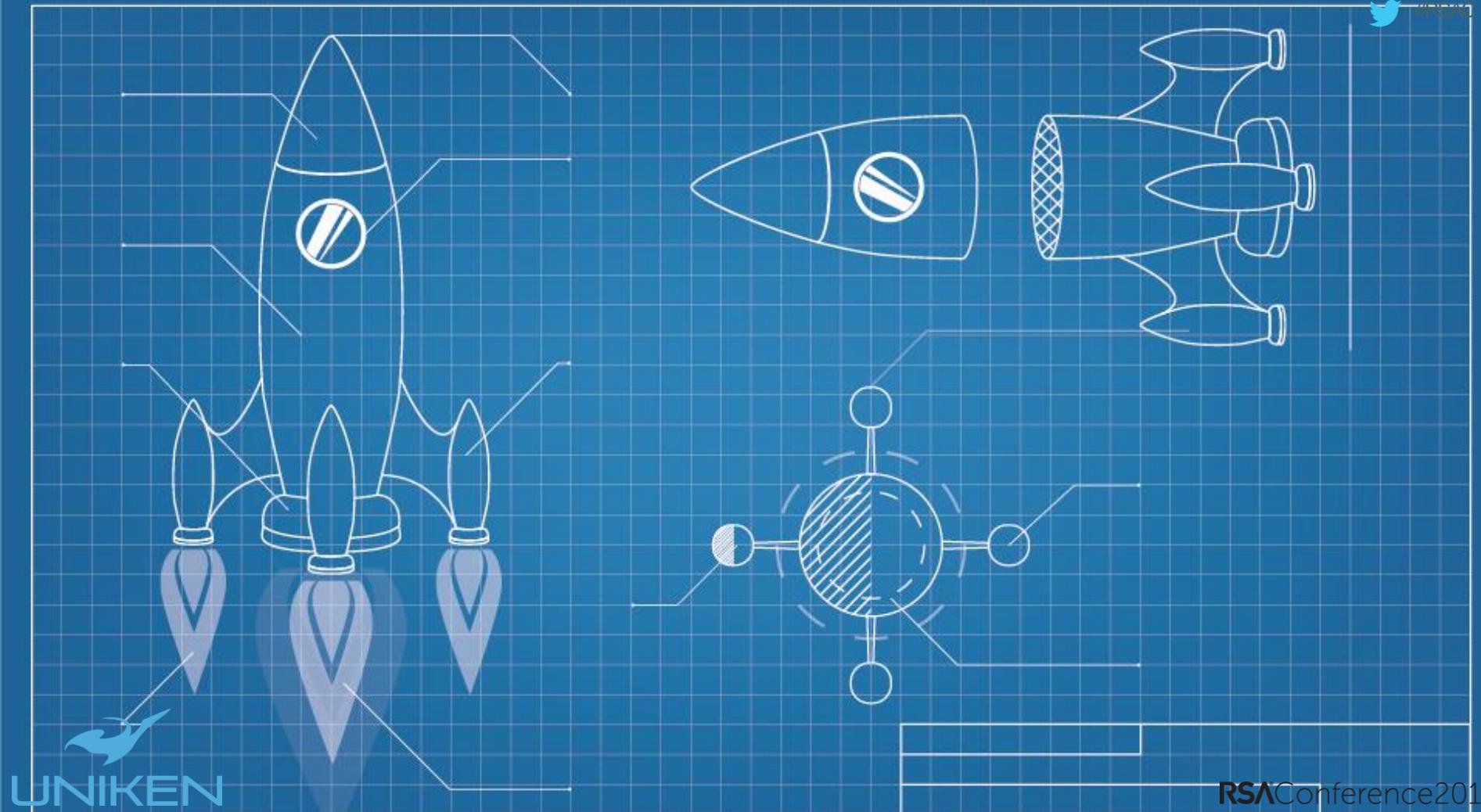






MUST HAVE



A Glance to the Future









XAGN

Alternative Global Networks



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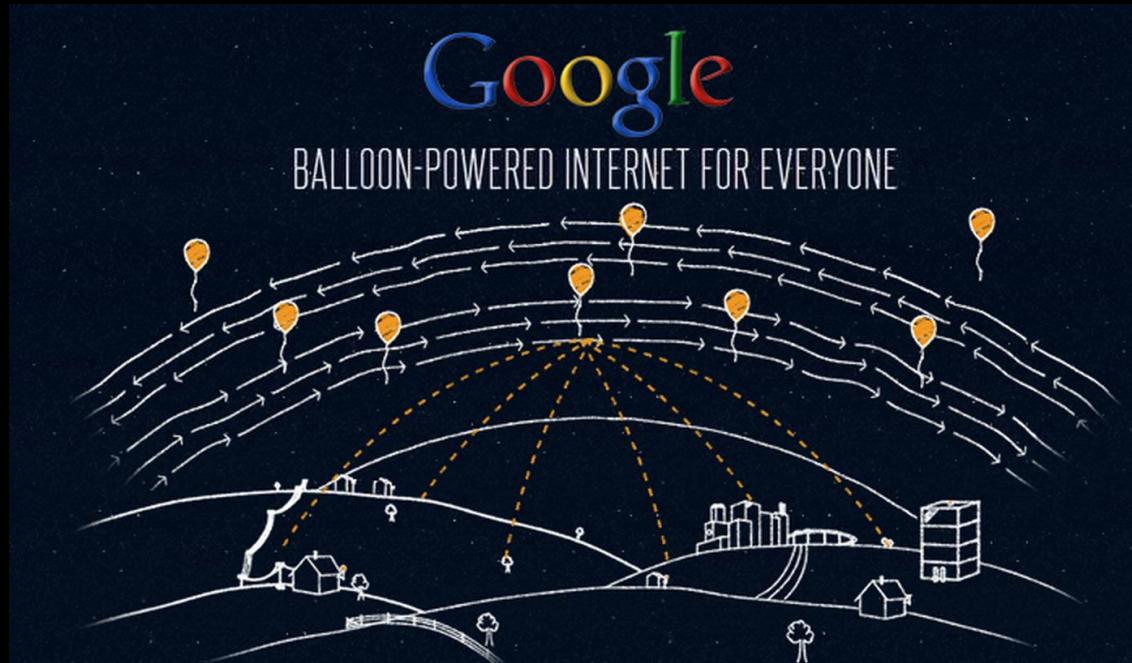
Image by: Jon Shenk / AP

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Google/AGN

Everything you want. Except Facebook.

Facebook/AGN

Everything you want is Facebook.

Microsoft/AGN

Bing.







RSA® Conference 2015

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Thank you

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