



Autentifikácia s využitím OpenID

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Agenda

- Motivácia
- Čo je OpenID
- Ako funguje OpenID
- Implementácie OpenID

Súčasný stav

- Vyplníte registračné údaje
- Overíte svoju mailovú adresu
- Prvý krát sa prihlásite na svoj nový účet
- Stránka overuje prihlasovacie údaje
- Opakujte postup pre každú ďalšiu stránku...
 - Skončíte s N účtami pre N stránok, kde $\underline{N} \rightarrow \infty$

Problém viacerých účtov

- Koľko rôznych účtov na Internete máte?
 - GMail, Yahoo Mail, HotMail
 - MySpace, FaceBook, Hi5
 - Rôzne internetové fóra
- Koľko rôznych hesiel používate?
 - Potrebujete si vytvoriť účet na stránke, ku ktorej nemáte úplnú dôveru – aké heslo použijete?

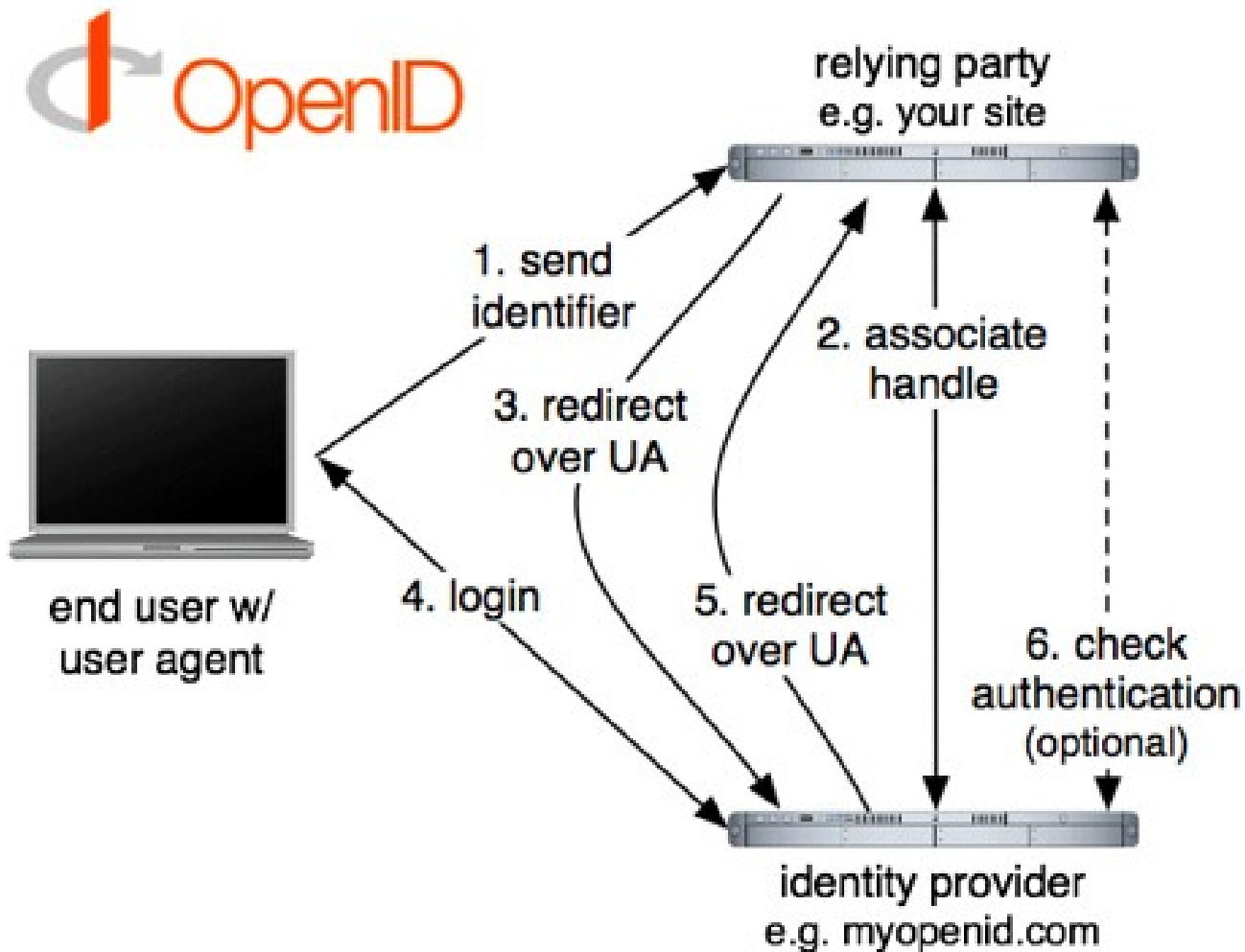


OpenID

Čo je to OpenID?

- Nový autentifikačný protokol
- Poskytuje spôsob, akým môže užívateľ dokázať, že vlastní nejaký identifikátor
- Decentralizovaný mechanizmus pre Single Sign On (SSO)
- Vo forme URI
 - Napr: <http://daniel.buchta.myopenid.com/>

Ako funguje OpenID?



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OpenID

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http://www.livejournal.com/openid/

LIVE JOURNAL™

Explore LJ Life Entertainment Music Culture News & Politics

Username: Create an Account

Password: Login Forgot your login?

Remember Me Login w/ OpenID

English • Español • Deutsch • Русский...

OpenID

What is OpenID?

LiveJournal.com supports the [OpenID](#) distributed identity system, letting you bring your LiveJournal.com identity to other sites, and letting non-LiveJournal.com users bring their identity here. After all, not everybody uses the same websites, but you should still be able to play together.

Using your OpenID here.

If you're not a member of LiveJournal.com but want to leave authenticated comments and let people add you as their friend, trust your comments, etc., then you can login either in the form below, or from any comment entry form. Once you're logged in, you'll also be able to read friends-only posts that LiveJournal.com users have indicated you're allowed to read.

BETA:
Our OpenID consumer support is very new. That is, external users logging in with their identity here will find some rough edges while we work on smoothing it all out.

Our server support is relatively complete, though.

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Want to support LJ?
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ADVERTISEMENT

Your OpenID URL: Login

For example: `melody.someblog.com` (if your host supports OpenID)

Using your OpenID on another site.

If another site says it supports OpenID and you want to use your LiveJournal.com identity there, just enter your journal URL. (you don't need the `http://` part either). For example, just enter **melody.livejournal.com**, or whatever your address is. After you do so, you'll be sent to LiveJournal briefly to ask if you want to trust that site to know who you are. You can either trust them once, or forever. You can change your [OpenID settings and trust](#) at any time.

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Sign In

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https://www.myopenid.com/signin_password?_=1b51-a36d-34b5&tid=422e1c1d&token=67d22e38d5af01d438ae71d39321634700000000004c8b4

myOpenID™

SIGN IN

Notice [Dismiss](#)

You must sign in to authenticate to <http://www.livejournal.com/> as <http://Daniel.Buchta.myopenid.com/>

Username <http://Daniel.Buchta.myopenid.com/>

Password [●●●●●●●●]

Stay signed in

Sign In **Cancel**

[Sign in with an SSL certificate](#)

[I cannot access my account](#)

YOUR PERSONAL ICON

OPTIONS

[Home](#)

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dano@dbuchta: ~ Sign In

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Welcome back to LiveJournal!

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http://www.livejournal.com/login.bml

daniel.buchta.myopenid.com Account


Home Journal Profile Friends Communities ScrapBook Explore LJ Find Interest Go


Upload a Userpic Home: [Log in](#) **Beta Features**

Welcome back to LiveJournal!

You're logged in as [daniel.buchta.myopenid.com](#). Go have fun. Here are some suggestions...

Please [set](#) and [validate](#) your email address to get started.

 [Update your Journal](#)
Did you know you can now easily add a photo?


 [Read your friends page](#)
See the latest updates to your friends' journals.

Change log-in options

Remember me
Log in automatically on this computer

Bind cookie to IP address
[Learn more about this option](#)

Save Log out

Tip
 Hey,
[daniel.buchta.myopenid.com](#) see which of your friends' [birthdays](#) are coming up! LiveJournal keeps a list of their birthdays for you.
» Read All
» Next

About Help Legal Store LJ Labs Change language:
Contact Support / FAQs Terms of Service Upgrade Account LJ Dashboard English

dano@buchta: ~ Welcome back to Liv...

Prečo OpenID?

- Je jednoduché („simple and stupid“)
- Postavené na existujúcich technológiách
 - DNS, HTTP, SSL/TLS, Diffie-Hellman
- Rieši špecifický okruh problémov
 - *Priveľa hesiel*
 - *Nieкто mi „ukradol“ moje oblúbené meno*
 - *Môj online profil je rozptýlený medzi viacerо stránok*
- Umožňuje vám spravovať si vlastnú identitu

Ako získať OpenID

- Veľmi ľahko a jednoducho – zvolíte si providera
 - pip.VerisignLabs.com, MyOpenId.com, ClaimId.com, FreeYourId.com, ...
- Dokonca už môžete aj nejaké mať
 - AOL, GMail, LiveJournal, WordPress

Problémy

- Phishing útoky
 - Reálny problém
 - Nie len v prípade OpenID, ale aj PayPal, Google Auth & Checkout, Yahoo! BBAuth, ...
 - Odstránenie možnosti phishing útokov
 - Iný mechanizmus autentifikácie (SMS Token, ...)
 - SeatBelt

Podpora OpenID

■ Poskytovatelia

- AOL, BBC, Google, IBM, Microsoft, MySpace, Orange, VeriSign, Yandex, Yahoo, ...

■ Konzumenti

- LiveJournal, SourceForge, Seznam, Facebook



Identity server

- PHP

- phpMyID, SimpleID, Clamshell

- Python

- DjangoID, Samādhi

- Java

- JOS (Java OpenID Server), OpenASelect Server

OpenID knihnice

■ PHP

- JanRain, EasyOpenID, CakePHP

■ C#

- DotNetOpenId, ExtremeSwank

■ Ruby

- JanRain, Heraldry

■ Java

- OpenID4Java, JOID, dyuproject

Zhrnutie

- Motivácia
 - nedostatky súčasnej autentifikácie na webe
- Otvorený autentifikačný protokol
 - Decentralizovaný mechanizmus pre SSO
- Poskytovateľa si môžete zvolit' sami
 - Prípadne prevádzkovať vlastný identity server
- Implementácie
 - Knižnice na implementáciu servera/konzumera
 - Identity servery



Ďakujem za pozornosť