



Prestankom podrške za Windows XP i prelaskom na Windows 7, došlo je do promjena kod konfiguracije pristupa računala koja se nalaze u javnom prostoru. Za prijavu na sustav koristimo *AAI@EduHr* identitet putem *pGina* softvera. O *pGina* projektu smo već pisali u nekim ranijim člancima kao što su <u>Autentikacija korisnika programom pGina s Radius pluginom</u> [1] ili <u>pGina i Windows 7</u> [2].

Međutim od zadnjeg članka je prošlo više od 4 godine, neke su se stvari promijenile, ima zanimljivih novosti u odnosu na starije verzije. Na Windowsima XP koristili smo staru verziju *pGina 1.8.8*. S novim sustavom počinjemo koristiti zadnju stabilnu verziju *3.1.8.0*. Ilustriramo za podsjetnik način konfiguracije na verziji *3.1.8.0*. Nakon što <u>preuzmemo</u> [3] i instaliramo pGinu. Instalacija uvjetuje predinstalaciju *NetFramewok 4.0 i MS Visual C++*. Pokrenimo konfiguraciju kroz grafičko sučelje.

eral Plugin Selection Plug	jin Order Simulation	Credential Pro	vider Options			
Tile Image						
Tile image: C:\Users'	vhost\pgina_uG.bmp				Preview:	
MOTD						
Enable MOTD						
MOTD: Za prijavu koristiti		Za enremanie r	odataka koristite por	latkovou particiju ili l	ISB stick Svi pa	datoj na C: dieku se gašer
pGina Service	ogon UI	Credential Pro	ovider/GINA Status			
pGina Service Show service status in le Status: Running	ogon UI	Credential Pro	vider/GINA Status Yes	Unregister]	
pGina Service Image: Status Status Running Status Start	ogon UI Stop	Credential Pro Registered: Enabled:	vider/GINA Status Yes Yes	Unregister Disable]	
pGina Service Image: Show service status in light status: Running Status: Start Unlock	ogon UI Stop	Credential Pro Registered: Enabled:	vider/GINA Status Yes Yes	Unregister Disable]	
pGina Service Show service status in I Status: Running Start Unlock Unlock Use original usemame to	ogon UI Stop	Credential Pro Registered: Enabled: ndows 7 and late	vvider/GINA Status Yes Yes er).	Unregister Disable]	
pGina Service	ogon UI Stop	Credential Pro Registered: Enabled: ndows 7 and late	vider/GINA Status Yes Yes er).	Unregister Disable]	
pGina Service Show service status in I Status: Running Start Unlock Use original usemame to Logon Progress Logon Progress Message:	ogon UI Stop	Credential Pro Registered: Enabled: ndows 7 and late	vider/GINA Status Yes Yes er).	Unregister Disable]	
pGina Service Show service status in l Status: Running Start Unlock Use original usemame to Logon Progress Logon Progress Message:	ogon UI Stop unlock computer (Wir Logging on %u Valid substitution: %u -	Credential Pro Registered: Enabled: ndows 7 and late	vvider/GINA Status Yes Yes er).	Unregister Disable]	
pGina Service	ogon UI Stop 9 unlock computer (Wir Logging on %u Valid substitution: %u -	Credential Pro Registered: Enabled: ndows 7 and late	vider/GINA Status Yes Yes er).	Disable		

Uredimo pozdravnu poruku prijave te logo ustanove.



Podesimo postavke *radius* servera.

Search Directories	in Order Simulation Credential Provider Options		
Directory			
C:\Program Files\pGina\PI	ugins\Core		
C:\Program Files\pGina\PI	unins\Contrib		
	RADIUS Plugin Configuration		
	Server: 161.53.190.3	uthentication Port: 1812	
•	Timositi 2.50 secondo Pateir 2 timos	ecourties Perti	· · ·
	Timeout. 2,50 seconds Retry. 5 times A	coounting Polt. 1815	Add Remove
	Shared Secret:	Show secret	
Current Plugins	Machine Identifier		
Plugin Name	IP Address Only Machine Name Only	, 🔘 Bath	*
Session Limit		C Doan	
Single User Login	Use modified usemame for accounting		isers to a single set of cr
Email Authentication	IP Address Suggestion:		OP or IMAP server.
RADIUS Plugin		Save	iting Plugin
Modify Usemame Plugin			of the login process
•			
			Configure

Želimo da se korisnički podaci brišu nakon odjave.



Published on sys.porta	l (https://sysportal.carn	et.hr)
------------------------	---------------------------	--------

Ø pGina Configuration	👑 HR Croatian (Croatia) 👔 Help 🚦 📼 🖅 💌
General Plugin Selection Plugin Order	🖳 LocalMachine Plugin Configuration
Search Directories Directory C:\Program Files\pGina\Plugins\Co C:\Program Files\pGina\Plugins\Co Image: Current Plugins Current Plugins Plugin Name Authentic LDAP Local Machine MySQL MySQL Simple Demonstration	Authentication Image: Second State St
pGina 3.1.8.0	Save & Close Apply Close

Postavimo radius prijavu u prvi plan u odnosu na lokalnu prijavu.



Published on sys.portal (https://sysportal.carnet.hr)

pGina Configuration			📗 HR Croatian (Croatia) 🕐 Help 📮	
General Plugin Selection	Plugin Order Simulation	Credential Provider Options	3	
Authentication			Authorization	
Plugin			Plugin	
RADIUS Plugin				
Local Machine		 ▲ ▲ 		* *
Gateway Plugin Local Machine	↓	 ▲ ▲ 	Event Notification Plugin RADIUS Plugin	 ▲ ◆

Svaku promjenu u konfiguraciji poslije spremanja moramo potvrditi s "Apply" u glavnom prozoru. Ako smo sve podesili kako treba, možemo se prijaviti na Windows 7 s *AAI@EduHr* identitetom, pa potražiti u logu *radius* servera našu prijavu.

Wed Dec 3 08:35:10 2014 : Auth: Login OK: [pperic@simet.hr] (from client pgina-kantina port 0)

Budući da klijentsko računalo dolazi iz lokalne mreže, ne vidimo lokalnu IP adresu s koje dolazi prijava. Stara verzija *1.8.8* je to zapisivala:

Wed Nov 26 14:23:18 2014 : Auth: Login OK: [pperic@simet.hr] (from client pgina-kantina port 668 cli 192.168.1.160)

Radi se o *cli* atributu (Calling station ID attribute) kojeg nova verzija ne bilježi, dok se u staroj to podrazumijevalo. Nismo pronašli postavku u konfiguraciji koja bi to uključila. Opcija prikaza lokalne adrese u radius.log-u nam je zanimljiva ukoliko bi došlo do problematičnih sitacija kada bi trebalo utvrditi s kojeg je računala došla prijava.

Za takve slučajeve nova verzija pGine nudi dodatak imena *MySQL Logger*, za što treba instalirati my*sql* bazu. Mogao bi dobro doći postojeći *mysql* server, ali smo ga odlučili podići na računalu na kome se obavljaju prijave.

Testirali smo *MySQL Logger* instalacijom *MySQL 5.6.21.1 web community* verzije. Instalirajte *MySQL* uz pomoć kuharice [4] koju smo pripremili.

Pokrenimo MySQL 5.6 Command Line Client.



Published on sys.portal (https://sysportal.carnet.hr)



Iz komandne linije se ulogiramo s *root* passwordom kojeg smo odabrali tokom instalacije *mysql* servera. Dodajemo bazu i korisnika *pgina*, te ovlasti korisniku *pgina* nad istoimenom bazom.

```
Enter password: *******
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 3
Server version: 5.6.21-log MySQL Community Server (GPL)
Copyright (c) 2000, 2014, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> create database pgina;
Query OK, 1 row affected (0.00 sec)
mysql> show databases;
+----+
 Database
+-----
 information_schema
mysql
 performance_schema
| pgina
test
+-----
5 rows in set (0.00 sec)
```



mysql> create user pgina; Query OK, 0 rows affected (0.00 sec) mysql> grant all on pgina.* to 'pgina'@'localhost' identified by 'nekipassword'; Query OK, 0 rows affected (0.00 sec) mysql>

Napokon možemo podesiti *MySQL Logger*. Uključimo *MySQL Logger* dodatak i podesimo konfiguraciju.

Sear MySQL Logger Plugin Configuration Dre ✓ CN Server Host: localhost Port: 3306 Database: pgina Event Table: eventlogs Session Table: sessions Vert Vode Table: User: pgina Password: ••••• Events OK Votions Console Connect Remote Connect Remote Control Vision Console Connect Session Options	Constant Con	nfiguration Iugin Selection Plu	ugin Order Simulatio	HR Croatian (Croatia) 🦻 Help 📜 🗖 🗖 🖾
Image: Series and the series of the serie	Searc Dire C:\F C:\F C:\F LDA Loca MyS Simp Sess Sing I	MySQL Logger Plu Mode Server Host: Port: Database: Event Table: Session Table User: Password: Events V Logon Lu V Logoff U Options Use Modified I	Igin Configuration Event Mode Iocalhost 3306 pgina eventlogs : sesslogs pgina ••••• ock Console Inlock Console Usemame eate Table	Session Mode Event Mode Table: Table created. Session Mode Table: Table created. OK Fhow Text OK Connect Remote Connect Remote Connect Save Cancel Save	Add Remove Add Remove Source for authentication and/or unts for authenticated users, and account database. QL database. Ows all usemames that begin with ns ticated users to a single set of cre

Prokomentirajmo konfiguraciju, unešeni su ime korisnika, baze i lozinka koje smo odabrali prethodnom koraku. Upisujemo imena 2 tablice koje želimo kreirati odvojeno da bilježe "Session" i "Event". Događaje koje želimo pratiti su prijava i odjava korisnika. "Event" tablica bilježi svaki događaj pojedinačno. "Sessions" tablica bilježi 2 događaja (*login* i *logoff* korisnika) u jednom unosu. Nakon imenovanja tablica obavezno je napraviti "Create Table.." i već spomenuti važan "Apply" nakon toga. Ako smo sve dobro napravili nakon pokretanja "Test.." trebamo dobiti sljedeći prikaz.



Published on sys.portal (https://sysportal.carnet.hr)

Gina Configuration		HR Croatian (Croatia)	🕐 Help 📮 🗖 🖻
eral Plugin Selection Pl	ugin Order Simulation Credential Provider Options		
Search Directories			
Directory MySQL Lor	ager Plugin Configuration		
C:\Program	ger Hagin comignation		
C:\Program Mode	V Event Mode	Session Mode	
Server			
✓ Host:	localhost		
Port:	330		Add Remove
Databa	ase: pgin		
Current Plugi Event	Table: ever Event Mode Table: Table exists and is s	etup correctly.	
Plugin Nar Sessio	Session Mode Table: Table exists and is	s setup correctly.	<u>^</u>
LDAP			e for authentication and/c
Local Mach User:	pgin	ок	authenticated users, and
MySQL Passw	ord: •••	Text	t database.
Simple Dem Events			usemames that begin wit
Logon	Lock Console Connect Remote Cor	nect 🔲 Remote Control	
Logoff	Unlock Console Disconnect Remote Disc	connect	,
Ontions			Configure
Use M	otified Usemame		
3180 Test	Create Table	Cancel Save	Apply Close

Uspješan test je zapravo startao bilježenje prijava i odjava preko pGine. Izvještaje iz mysqlove baze možemo čitati sljedećom metodom. Preuzmemo <u>SQLyog Community Edition - 12.03</u> [5] instaliramo po principu "prihvati sve ponuđeno"



pGina nove generacije Published on sys.portal (https://sysportal.carnet.hr)

<u>F</u> il	le <u>E</u> dit <u>V</u> iew Hi <u>s</u> tory	Bookmarks Tools Help HRCroatian (Croatia) 🕐	Help	. 📼	đ	8
J	💮 Downloads - sqlyog	- SQLy × +				
(🗧 🔒 https://code.goo	gle.com/p/sqlyog/wiki/Downloads 🗸 C 🔍 Search	Ê	÷	⋒	≡
	SQLyog Co	🔊 SQLyog Community 12.03 (32 bit) Setup				•
	SQLyog 12.03	License Agreement Please review the license terms before installing SQLyog Community 12.03 (32 bit).				
	SQLyog Community E	Press Page Down to see the rest of the agreement.				E
	SQLyog Community E	Copyright (c) 2014 Webyog Softworks Private Limited				
	SQLyog Job Agent (S	This program is free software; you can redistribute it and/or modify				
	SQLyog Job Agent (S	it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or				
	SQLyog 12.02	(at your option) any later version.				
	SQLyog Community E	but WITHOUT ANY WARRANTY: without even the implied warranty of				
	SQLyog Community E	If you accept the terms of the agreement, select the first option below. You must accept the agreement to install SQLyog Community 12.03 (32 bit). Click Next to continue.				
	SQLyog Job Agent (S	I accept the terms of the License Agreement I do not accept the terms of the License Agreement				
	SQLyog Job Agent (S	Webyog Inc				
	SQLyog 12.01	< Back Next > Cancel				
	SQLyog Community E	dition - 12.01 (64-Bit)				
	SQLyog Community E	dition - 12.01 (32-Bit)				-
•		m				•

Izvezemo izvještaje koji nas zanimaju u *csv* obliku pomoću <u>upute</u> [6]. Pregledamo ga pomoću tabličnog kalkulatora kao na primjerima.

1	eventsogs1									-		x
	А	В	С	D	E	F	G	Н	1	J	K	
1	2014-12-0	3 10:42:09	antina-PC1	192.168.1.9	8KANTINA	-PC[1] Log	off user:	Unknown-	-			
2	2014-12-0	3 10:43:52	kantina-PC1	192.168.1.9	8KANTINA	-PC[2] Log	on user: 📎	@sime	et.hr			
3	2014-12-0	3 10:46:26	kantina-PC1	192.168.1.9	8KANTINA	-PC[2] Log	off user:	@sime	et.hr			- 11
4	2014-12-0	3 10:46:34	antina-PC1	192.168.1.9	8KANTINA	-PC[1] Log	on user:I	Unknown-	-			- 11
5												=
6												- 11
7												-11
8												- 11
9												- 11
10												
11												- 1
12												- 1
13												_
14												-
14 4	eve	entsogs1 /	2	1		1	I 4 📃	1			•	- Ii



8	sesslogs1	LOGIN		LOGOFF						-		x
	А	В	С	D	E	F	G	Н	I.	J	K	
1	12014-12-	03 10:43:52	2014-12-03	3 10:46:26	@sim	et.hrKANT	INA-PC192	.168.1.98				
2	22014-12-	03 10:46:34	0000-00-00	00:00:00	UNKNOW	NKANTIN	NA-PC192.1	.68.1.98				
3												
4												
5												=
6												
7												
8												
9												
10												
11												
12												
13												
14												-
H.	→ H set	sslogs1 🥂					I 4 _	1			•	I
also a										0007		

U nekoliko koraka uz pomoć open source rješenja omogućili smo sigurnu i transparentnu prijavu na Windows 7 sustav putem *AAI@EduHr* identiteta.

čet, 2014-12-04 12:11 - Goran Šljivić**Kuharice:** <u>Windows</u> [7] Kategorije: <u>Operacijski sustavi</u> [8] Vote: 0

No votes yet

Source URL: https://sysportal.carnet.hr/node/1472?page=0

Links

- [1] https://sysportal.carnet.hr/node/701
- [2] https://sysportal.carnet.hr/node/725
- [3] http://pgina.org/download.html
- [4] https://sysportal.carnet.hr/system/files/mysql.pdf
- [5] https://code.google.com/p/sqlyog/wiki/Downloads
- [6] https://sysportal.carnet.hr/system/files/sqlyog.pdf
- [7] https://sysportal.carnet.hr/taxonomy/term/18
- [8] https://sysportal.carnet.hr/taxonomy/term/26