SIGURNI E-MAIL ZA NEZNALICE

Thunderbird postavke

Nakon preuzimanja (download) i instalacije Thunderbird klijenta elektroničke pošte, potrebno je pokrenuti Thunderbird dvostrukim klikom na Thunderbird ikonu.



Ukoliko niste imali korisnički račun elektroničke pošte u Thunderbirdu, pojavit će se ovakav dijaloški okvir:

Home				_ = ×
🔹 Get Messages 🔹 🖋 Write	Chat 🛔 Address Book 🗞 Tag 🔻	Q Quick Filter	Search <ctrl+k></ctrl+k>	ء 🖉
	Thunderbird			
	Accounts			
6	Create a new account:			
w la	come to Thunderbird	Several House		
	Would you like a new ema	ail address?		
	Your name, or nickname		Search	
	In partnership with several provide your first and last name, or any oth	rs, Thunderbird can offer y er words you'd like, in the	ou a new email account. Just fill in fields above to get started.	
	🛛 🕄 gandi.net			
	The search terms used are sent to I gandi.net (<u>Privacy Policy</u> , <u>Terms of S</u>	Mozilla (<u>Privacy Policy</u>) and Service) to find available en	to 3rd party email providers nail addresses.	
	Skip this and use my existing o	email I think	I'll configure my account later.	
L L				
👳 Done				

Kako konfiguriramo lokalni korisnički račun e-pošte, a ne onaj od vanjskog davatelja usluge (en. service provider), pritisnuti označenu opciju.

Mail Account Setup			X
Your <u>n</u> ame: Emai <u>l</u> address: <u>P</u> assword:	Ivan Ivanšić iivansic@alu.hr 	our name, as shown to others	
1			
Get a new acco	punt	2 <u>Continue</u> C <u>a</u> nce	I

Nakon upisivanja osobnih podataka (ime i prezime, <u>korisničko_ime@alu.hr</u>, te zaporku) pritisnuti **Continue** kao na slici.

Mail /	Account Setup			x
	Your <u>n</u> ame:	Ivan Ivanšić	Your name, as shown to others	
	Emai <u>l</u> address:	iivansic@alu.hr		
	Password:	•••••		
		Remember password		
	Configuration fo	ound by trying common se note folders)	erver names eep mail on your computer)	
	Incoming: I	MAP, mail.alu.hr, STARTTL	5	
	Outgoing: S	MTP, smtp.alu.hr, STARTT	LS	
	Username: ii	vansic		

Još jednom provjerite osobne podatke, te se odlučite za IMAP ili POP3 opciju dohvaćanja pošte. Ako koristite e-mail i na poslu i kod kuće, ili sa stolnog računala i laptopa, preporuča se konfigurirati IMAP.

Provjeriti da li su automatske postavke u plavom okviru kao na slici, pa pritisnuti **Done**. Sada biste trebali moći koristiti e-poštu sa Thunderbird klijentom sa razumno sigurnim TLS postavkama.

Želimo ugodan rad!

Podizanje sigurnosnih postavki postojećih korisničkih računa

Dolazna pošta (IMAP)

Opisat ćemo nadogradnju (upgrade) postojećeg korisničkog računa na pouzdane postavke (en. TLS; transport layer security). To zvuči jako mudro, no mi ćemo imati samo korist da nam npr. bežična (en. wireless) veza neće odavati sadržaje e-poruka svim susjedima.



Kliknite oznaku , zatim Options (opcije), te Account settings (postavke korisničkog računa). Pojavit će se slijedeći dijaloški okvir:

Account Settings		· heriter	×
⊿ iivansic@alu.hr	Account Settin	ıgs - <iivansic@alu.hr></iivansic@alu.hr>	
Copies & Folders	Account <u>N</u> ame: ii	vansic@alu.hr	
Composition & Addressing	Default Identity		
Synchronization & Storage	when they read yo	an identity, which is the information that o ur messages.	ther people see
Return Receipts	Your Name:	Ivan Ivanšić	
▲ Local Folders	Email Address:	iivansic@alu.hr	
Junk Settings	Reply-to Address: Organization:	Recipients will reply to this other address	
Outgoing Server (SMTP)	Signature text:	Use HTML (e.g., bold)	
	Attach the sign	nature from a file instead (text, HTML, or ir rd to messages	nage): ⊆hoose Edit Card
	O <u>u</u> tgoing Server (S	MTP): iivansic - smtp.alu.hr (Default)	•
Account Actions •		Mar	age Identities
		OK	Cancel

Pritisnite "Server settings" (postavke servera).

Account Settings	×
▲ Local Folders Junk Settings Disk Space ▲ iivansic@alu.hr Server Settings Copies & Folders Composition & Addressing Junk Settings	Server Settings Server Type: IMAP Mail Server Server Name: mail.alu.hr User Name: iivansic Security Settings Connection security:
Synchronization & Storage Return Receipts Security Outgoing Server (SMTP)	Authentication method: Password, transmitted insecurely Server Settings Check for new messages at startup Check for new messages every 10 minutes When I delete a message: Mgve it to this folder: Just mark it as deleted Remove it immediately
	Message Storage Clean up ("Expunge") Inbox on Exit Empty Trash on Exit Local directory: C:\Users\Mtodorov\AppData\Roaming\Thunderbird\Pro Browse
Account Actions 🔹	OK Cancel

Pogledajte "Security Settings" (sigurnosne postavke). Ako je stanje kao na slici, Vaša zaporka (password)je nesigurno prenošena i biva emitirana svima na lokalnoj mreži (LAN-u) i svima u dosegu bežične (wireless) veze. Također je i hakeri mogu presresti na bilo kojem dijelu veze do servera, a nakon toga mogu sa Vašim računalnim identitetom pristupati svom Vašem sadržaju na serveru, uključivo privatne slike i video uratke, te Vas impersonirati s malicioznim namjerama.



Preporučeno je odabrati **STARTTLS** opciju, jer ona prolazi kroz sve vatrozide (en. firewall) gdje je dopušten i nesiguran pristup serveru. Kliknite na označenu stavku (**None**) padajućeg izbornika (en. drop menu).

						_	
₄ iivansic@alu.hr	Server Set	tings					
Server Settings	Server Type:	IMAP Mail	Server				
Copies & Folders	Server Name	mail alu br			Port	1/2	Default: 14
Composition & Addressing	<u>s</u> erver name.				<u>r</u> on.	145	Derudita 14.
Junk Settings	User <u>N</u> ame:	livansic					
Synchronization & Storage	Security Settin	ngs					
Return Receipts	Connection s	ec <u>u</u> rity:	None				-
Security	Authenticatio	n method:	None				1
Local Folders	Authenticatio	in methou.	STARTTLS	5			
Junk Settings	Server Setting	s	SSL/TLS				
Disk Space	Check for	r new messa	ges at startu	ıp			_
Outgoing Server (SMTP)	Check for	new messa	ges every	10 📮	minutes		
	When I delete	a message:					
	Move	it to this fol	der: 🔞	Trash or	n iivansic(Dalu.hr	•
	luct n	aark it ar del	atad				
	o Dusch	iai <u>k</u> it as dei					
	Kemc	ive it imme <u>d</u>	iately			_	
							Ad <u>v</u> anced
	Message Stor	age					
	🔲 Clean up	(" <u>E</u> xpunge")	Inbox on Ex	kit			
	Empty Tr	ash on E <u>x</u> it					
	Local director	y:					
	C:\Users\Mtr	- dorov\Appl)ata\Roami	ing\Thur	derbird\F	Profile	Browse
							_
Account Actions *							
						~	Consel

Ponuđene su alternative STARTTL S i SSL/TLS. Potrebno je izabrati STARTTLS opciju, koju računalna zajednica preferira u odnosu na starije SSL/TLS postavke.

Ukoliko smo sve dobro napravili, sigurnosne postavke bi trebale izgledati ovako:

Zaporka (en. pasword) se sada prenosi samo u šifriranom obliku.

Pritisnimo još **OK** i ugodan rad.

Podizanje sigurnosti dolaznog POP3 korisničkog računa

Pritisnuti ikonu sa tri horizontalne crte (en. wrench) . Pritisnite **Options** (opcije), zatim **Account** Settings (postavke korisničkog računa), kako je prikazano na slici:

📥 Inbox	-		
🛃 Get Messages 🔻 🖋 Write	🗬 Chat 🔹 Address Book 🛛 🗞 Tag 👻 🔍 Quick Filter	Search <ctrl+k></ctrl+k>	¶ =
a Britanic Calut.hr Britanic Calut.hr Britanic Calut.hr Britanic Calut.hr Trash California Californi California Calif	 R == Unread ★ Starred ▲ Contact ♥ Tags ⊕ Attachment ★ ⊕ Subject Proba#1.00 	Filter these messages <ctr(+s ♥ From ■ Ivan Ivanšić</ctr(+s 	New Message Attachments Edit Pind Print Save As Folders Empty Trash Exit Toolbar Layout Layout ,
	From Mest Subject Proba #1.00 To Mest Test, test, 1, 2, 3	🛧 Rep	y + Forward Archive & Junk O Delete 1502 Other Actions -
9 <u>.</u>			Unread: 0 Total: 1
🧿 🙆 📋 I	0 0 😺 🛃 🎻 🖭 🔇		HR 🔺 🕪 🔛 隆 15:04 25:11:2014.

Pojavit će se slijedeći dijaloški okvir:

Junk Settings Disk Space a iivansic@alu.hr Server Settings Copies & Folders Composition & Addressing Junk Settings Disk Space Return Receipts Security Settings Outgoing Server (SMTP) Qutgoing Server (SMTP) Check for new messages at startup Qutgoing Server (SMTP) Check for new messages every 10 minutes Part 110 Default: 110 Default: 110 Default: 110 Default: 110 Default: 110 Server Settings Connection security: None Authentication method: Password, transmitted insecurely Check for new messages at startup Check for new messages every 10 minutes Automatically download new messages Fgtch headers only Leave messages on server Fgt at most 14 days W Until I delete them Message Storage Empty Trash on Egit Local directory: C:\Users\Mtodorov\AppData\Roaming\Thunderbird\Profile Browse	▲ Local Folders	Server Settings
C:\Users\Mtodorov\AppData\Roaming\Thunderbird\Profile Browse	Junk Settings Junk Settings Disk Space Ivansic@alu.hr Copies & Folders Composition & Addressing Junk Settings Disk Space Return Receipts Security Outgoing Server (SMTP)	Server Settings Server Type: POP Mail Server Server Name: pop.alu.hr Port: 110 • Default: 110 User Name: iivansic Port: 110 • Default: 110 Security Settings Connection security: None • • Q Check for new messages at startup © Check for new messages every 10 • minutes Ø Automatically download new messages Fgtch headers only Eave messages on server • For at most 14 • days • Until I gelete them Message Storage Empty Trash on Egit Adyanced Local directope: Adyanced Local directope: Portion figure tope: </th
ACCOUNTACTIONS	Account Actions	C:\Users\Mtodorov\AppData\Roaming\Thunderbird\Profile Browse

Već i pogled na sigurnosne postavke (Security Settings, zaokruženo plavim) otkriva da se zaporka (en. password) prenosi na nesiguran način. (U stvari tako nesiguran da ovaj zastarjeli mehanizam zaštite pada u manje od sekunde.)

Account Settings	×
▲ Local Folders	Server Settings
Junk Settings Disk Space a iivansic@alu.hr Server Settings Copies & Folders Composition & Addressing Junk Settings Disk Space Return Receipts Security Outgoing Server (SMTP)	Server Settings Server Sype: POP Mail Server Server Name: pop.alu.hr Port: 110 User Name: iivansic Security Settings Connection security: Authentication method: Password, transmitted insecurely ▼ Server Settings
	Empty Trash on Exit Advanced Local directory: C:\Users\Mtodorov\AppData\Roaming\Thunderbird\Profile Browse
Account Actions •	OK Cancel

Promijenimo sigurnost priključka (en. connection) pritiskom na None stavku padajućeg izbornika.

Acc	ount Settings	×
	Local Folders Junk Settings Disk Space	Server Settings Server Type: POP Mail Server Server Name: non-alu br. Port: 110 ^[25] Default: 110
ĺ	a iivansic@alu.hr Server Settings Copies & Folders Composition & Addressing Junk Settings Disk Space Return Receipts Security Outgoing Server (SMTP)	User Name: iivansic Security Settings Connection security: Authentication methods Server Settings Startus Server Settings Server Settings Startus Server Settings Server Settings Startus Petchek Server Settings Settings Server Settings Server Settings Server Settings Settings Settings Settings Settings Settings <
[Account Actions •	C:\Users\Mtodorov\AppData\Roaming\Thunderbird\Profile Browse OK Cancel

Preporučena je STARTTLS sigurnosna opcija. Ona će dakle postojeću konekciju nadograditi tako da uspostavlja SSL/TLS vezu (ili jednostavnim jezikom, zaštićenu kriptiranjem).

Ukoliko je sve u redu, sada bi postavke trebale biti kao u plavom pravokutniku (**STARTTLS** + Normal password). Ako je sve u redu, pritisnite **OK** i možemo početi.

Odlazna pošta (SMTP)

Pritisnuti ikonu sa tri horizontalne crte (en. wrench) Settings (postavke kor. računa).

A Inbox			×
🛓 Get Messages 🔻 🖋 Wr	ite 🛡 Chat 💄 Address Book 🗣 Tag 👻 🔍 Quick Filter	Search, <ctrl+k></ctrl+k>	1 =
⊿ 🔂 iivansic@alu.hr	🗮 🔍 🗢 Unread 🔺 Starred 🛔 Contact 🗣 Tags 🖉 Attachment	Filter these messages <ctrl+si< th=""><th>Activity Manager</th></ctrl+si<>	Activity Manager
Inbox	ት 🖈 🥙 Subject	•• From	message rinters 7
Sent		• Ivan Ivanšić Edit 🔑 🕒 🗈 🤞	Add-ons
🔟 Trasn		Find Optio	ns L
Trach		Print 3 Accor	unt Settings
Outbox		Save As Menu	Bar
		Folders 🗸 Mail	fgolbar ,
		Empty Trash 🗸 Quick	: Filter Bar
		Statu:	; Bar ı
		Exit Toolb	ar Layout
		lavo	
	From Me R Subject Proba #1.00 To Me R	A Reply A Forward Reply	Junk Delete 15:02 Other Actions *
	Test, test, 1, 2, 3		
5		Unre	ead: 0 Total: 1
			15:04
	V V V 2 2 47 14 S	HR 🔺 🌒 🕻	25.11.2014.

Otvorit će se slijedeći dijaloški okvir:

iivansic@alu.hr	Account Settin	gs - <iivansic@alu.hr></iivansic@alu.hr>	
Server Settings			
Copies & Folders	Account <u>N</u> ame: iii	vansic@alu.hr	
Composition & Addressing	Default Identity		
Junk Settings	Each account has a	an identity, which is the information that o	ther people see
Synchronization & Storage	when they read yo	ur messages.	
Return Receipts	Your Name:	Ivan Ivanšić	
Security	Email Address:	iivansic@alu.hr	
Local Folders	Penki te Addressi	Pasiniants will really to this other address	
Junk Settings	Reply-to Address:	Recipients will reply to this other dudress	
Disk Space	Organization:		
Outgoing Server (SMTP)	Signature te <u>x</u> t:	Use HTML (e.g., bold)	
	Attach the sign	nature from a file instead (text, HTML, or in	nage):
	Attach the sign Attach my <u>v</u> Ca	nature from a file instead (text, HTML, or in rd to messages	nage): Choose Edit Card
	Attach the sign	hature from a file instead (text, HTML, or in rd to messages MTP): iiivansic - smtp.alu.hr (Default)	nage): Choose E <u>d</u> it Card

Izaberite opciju "Outgoing Server (SMTP)".

Izabrati ćete postavke korisničkog računa za server odlazne pošte. Otvorit će se slijedeći dijaloški okvir:

Vidimo da su postavke nesigurne (zaokvireno plavim). Potom odaberite postavke odlazne pošte **smtp.alu.hr**, pa **Edit** (promijeni).

Account Settings	×
⊿ iivansic@alu.hr	Outgoing Server (SMTP) Settings
Server Settings Copies & Folders Composition & Addressing Junk Settings Synchronization & Storage Return Receipts Security	When managing your identities you can use a server from this list by selecting it as the Outgoing Server (SMTP), or you can use the default server from this list by selecting "Use Default Server". iivansic - smtp.alu.hr (Default) Add 1 2 Edit
Local Folders Junk Settings Dick Space	Remove Set Default
Outgoing Server (SMTP)	Description: <not specified=""> Server Name: smtp.alu.hr Port: 25 User Name: iivansid Authentication method: Password, transmitted insecurely Connection Security: None</not>
Account Actions -	OK

Pojavljuje se slijedeći dijaloški okvir:

SMTP Server	X			
Settings Description:				
Server Name: smtp.alu	.hr			
Security and Authentication Connection security: None				
Authentication method:	Password, transmitted insecurely			
User Na <u>m</u> e:	iivansic			
	OK Cancel			

Vidimo još jednom da se zaporka prenosi na nesiguran način (zaokvireno plavim). Prijava korisničkim imenom i zaporkom zaustavlja spamere, ali odaje zaporku. Ako imamo bežičnu vezu, i npr. slabi wireless protokol, zaporka će biti vidljiva svima u okolini dosega bežične (en. wireless) veze.

SMTP Server	×				
Settings					
Description:					
Server Name: sm	ntp.alu.hr				
Port:	Port: 25 Default: 587				
Security and Authentication Co <u>n</u> nection security:					
Authentication me	ethod: Password, transmitted insecurely				
User Na <u>m</u> e:	iivansic				
	OK Cancel				

Kliknimo na None, i promijenimo postavku u STARTTLS.

SN	ATP Server			×			
	Settings						
	Description:						
	Server Name:	smtp.alu.hr					
	Port:	25 💂	Default:	587			
	Security and Authentication						
	Connection security: None						
	Authentication	method	None				
	Authentication method: STARTTLS						
	User Mame:		331/113				
			OK	Cancel			
L							
SN	ITP Server			x			
SN	ATP Server Settings			×			
SN	ATP Server Settings <u>D</u> escription:	[×			
SN	ATP Server Settings Description: Server Name:	 smtp.alu.	<u>h</u> r	×			
SN	ATP Server Settings Description: Server Name: Port:	smtp.alu.	hr Default:	587			
SN	ATP Server Settings Description: Server Name: Port:	smtp.alu. 587	hr Default: on	587			
SN	ATP Server Settings Description: Server Name: Port:	smtp.alu. 587 - uthenticati curity:	hr Default: on STARTTL	587 S •			
SN	ATP Server Settings Description: Server Name: Port: Security and Au Cognection set Authentication	smtp.alu. 587 v uthenticati curity:	hr Default: on STARTTL Normal p	587 S •			
SN	ATP Server Settings Description: Server Name: Port: Security and Au Connection see Authentication User Name:	smtp.alu. 587 uthenticati curity: method:	hr Default: on STARTTL Normal p iivansic	587 S vassword v			

Podesimo još port. Podrazumijevani port za odlaznu poštu je 587. Ako taj ne bude radio, još uvijek je

tu stari znanac, port 25. Port 587 je preporučeni za nove instalacije, u svrhu zaustavljanja neželjene pošte (en. spam). Pritisnite **OK**.

Provjerimo još jednom postavke. Ako su postavke STARTTLS, port 587, Normal password, onda je podizanje sigurnosti odlazne pošte uspjelo.

ccount Settings	- Marchann	×			
⊿ iivansic@alu.hr	Outgoing Server (SMTP) Settings				
Server Settings	When managing your identities you can use a server from this list by selecting it as the Outgoing Server (SMTP), or you can use the default server from this				
Copies & Folders					
Lunk Settings	list by selecting "Use Default Server".				
Synchronization & Storage	iivansic - smtp.alu.hr (Default)	A <u>d</u> d			
Return Receipts		Edit			
Security		Permana			
▲ Local Folders		Ke <u>m</u> ove			
Junk Settings		Se <u>t</u> Default			
Disk Space					
Outgoing Server (SMTP)	Description: <not specified=""></not>				
	Server Name: smtp.alu.hr				
	Port: 587				
	User Name: iivansic				
	Authentication method: Normal password				
	Connection Security: STARTTLS				
Account Actions •					
	ОК	Cancel			

Još jedan pogled na dijaloški okvir otkriva da su podaci kao što smo očekivali. Pritisnite **OK** i možete započeti s radom.

Sada su i dolazna i odlazna pošta zaštićene. Zaporka (password) neće biti prenošena u PLAINTEXT (ili CLEARTEXT) obliku, niti će se vidjeti sadržaj e-pošte. Ovo još uvijek ne znači da će sva e-mail vrata (en. gateway) zaštićivati e-poštu prilikom prenošenja do slijedećeg čvora u mreži.

Za postavke na Akademiji (ALU) najbolje kontaktirajte sistem inženjere. Ove su upute namijenjene za podešavanje postavki na kućnim računalima. Za sva pitanja kontaktirajte <u>mtodorov@alu.hr</u>.

Želimo Vam ugodan rad!