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1 RAAS Client

RAAS yakavakirwa pazvikamu zviviri: RAAS Client uye RAAS Server. Kuti udzore maseva, kana kugamuchira makomputa, RAAS Server inoda kuiswa pamakomputa anotambira usati wagadzirisa makomputa anotambira padivi revatengi uchishandisa RAAS Client applications. Ichi chikamu chine mirairo yekuisa, kugadzirisa uye kushandisa RAAS Client.

1.1 Kuiswa

RAAS Client inogona kuiswa nekudhawunirodha RAASClient_[vhezheni]_x64.msi faira uye kuriita pakombuta inonangwa. Kana kusarudzika kuisirwa kwakaringana chete zviito zvinoda kutorwa kubvuma chibvumirano cherezinesi uye kurova install.

System zvinodiwa: Inotsigira 64 bit shanduro dze Windows 10 & 11 Pro uye Enterprise. .NET Framework 4.8 inodiwa.

1.1.1 Zvirongwa zvepamberi

Kana default kuisirwa isina kukwana, inogona kugadzirwa nekudzvanya "Advanced" bhatani paunenge uchiisa. Chikamu chekutanga chine sarudzo dzekuchiisa pamushini nhanho, iyo inove inowanikwa kune vese vashandisi, kana mushandisi nhanho, iyo inozongo wanikwa kune iyezvino mushandisi. Kudzvanya "Inotevera" kunounza mushandisi kune iyo maficha menyu. Muchikamu chino zvinokwanisika kusarudza kuti ndeapi maitiro ekuisa nekugonesa kana kudzima maficha mune iyo interface. Tsanangudzo yechinhu inounzwa pasi pebhokisi rine zvidzoreso paunenge uchisarudza.

Zano: RAAS Client inogona kushandiswa nekudzvanya kurudyi icon yayo yekuzivisa. Kuti ugare uchiratidza chiratidzo chekuzivisa mubharaki rebasa, tinya ratidza zvidhori zvakavanzwa mubhara rebasa uye dhonza RAAS Client icon kune inooneka icons nzvimbo.

1.2 RAAS Server Configuration

RAAS Server Configuration inogona kutangwa kubva kumenyu yekutanga, nekudzvanya-kurudyi sevha muFaira Explorer uye kusarudza "RAAS Server Configuration" kana nekudzvanya-kurudyi pa RAAS Client icon mune system tray uye kana kusarudza "RAAS Server Configuration" mumudzi wemenu kana mune imwe yemaseva menyu. Inoshandiswa kugadzirisa marongerero anofanirwa kuiswa kune yega yega server.

- Masevha anogona kusarudzwa ne server listbox, kushandura gadziro yeimwe server.
- Kuti uwedzere sevha tinya bhatani rekuti "Wedzera ..." rinoteverwa nekuisa zita reseva kana server ip uye nekudzvanya bhatani rekuti "Wedzera".
- Kuti ubvise sevha sarudza sevha yekubvisa uye tinya bhatani re "Bvisa".

Iyo gadziriso yakarongeka mumatabu, uye marongerero anowanikwa pasi pega ega tebhu anoratidzwa muzvikamu zvinotevera.

1.2.1 Zvakawanda

- **Gonesa sevha** : Inoita kuti sevha ishande uye inoshandisa ese masettings ese. Sevha haifanirwe kusetwa kuti ishande kudzamara zvese zvagadziriswa.

Settings:

- **Alias** : Inosarudza kuti ndeipi alias sevha inofanirwa kuve nayo mune zvese RAAS Client interfaces.
- **Account** : Inosarudza iyo windows account yekushandisa pakutaurirana neserver.
- **Password** : Inosarudza password kune iyo windows account yekushandisa kutaurirana neserver.
- **Domain** : Inosarudza iyo domain yeWindows account yekushandisa pakutaurirana neserver.
- **RDP authentication** : Inotarisa kuti ndeipi mitemo yechokwadi yekushandisa paunenge uchibatanidza kunyange RemoteApp kune server, uchishandisa iyo RDP protocol.
- **Auto reconnect** : Inoona kana RemoteApp ichifanira kubatanidzwazve otomatiki kana yaive yakabatana isati yakiyiwa, kurara kana hibernate nezvimwe.
- **Zvirongwa zvekutanga otomatiki** : Inoona kana maapplication akagadzirirwa kuti atange otomatiki panguva yekutanga pane server anofanira kutanga otomatiki kuburikidza neRemoteApp paunotanga kubatana.
- **Ramba uri mupenyu mumiririri** : Inotarisa kana mumiriri wekuchengetedza ari mupenyu achifanira kutangwa kuburikidza neRemoteApp pane sevha kana kekutanga kubatana, kudzivirira iyo yekubatanidza kubva pakudzima otomatiki kana pasina maapplication anovhurwa.
- **Redirect clipboard** : Inoona kana clipboard redirection ichifanira kubatidzwa kana kudzima.
- **Redirect zvishandiso** : Inoona kana zvishandiso zvichifanira kutungamirwa. Iyi sarudzo inoda mamwe marongerero kuti ashande, ayo akanyorwa neMicrosoft.
- **Redirect printers** : Inoona kana printer redirection ichifanira kubatidzwa kana kudzima.

- **Ratidza zviziviso** : Inotara kana mushandisi achifanira kugamuchira chiziviso chebhobho paakubatanidza kana kubvisa RemoteApp. Zviziviso zvinofanirwa kuvhurwa muWindows marongerero kuti chiziviso chishande.

RAAS Server Connection:

- **Mamiriro** : Inoratidza ruzivo nezve maseva ikozvino kutaurirana mamiriro. "No contact" inoratidza kuti hapana kutaurirana kuripo, "Contact" inoratidza kuti server inosvikika, "Inowanikwa" inoratidza kuti kutaurirana ne RAAS Server sevhisi pane sevha iripo uye "Yakabatanidzwa", izvo zvinoratidza kuti sevha yakabatana kuburikidza neRemoteApp.
- **RAAS Servervhezheni** : Ruzivo urwu rwuripo chete kana kutaurirana ne RAAS Server sevhisi paserver iripo, uye inoratidza iyo yakaiswa vhezheni ye RAAS Server pa server.
- **Batanidza/Reconnect** -bhatani: Inoshandiswa kubatanidza kana kubatanidza kune server kuburikidza neRemoteApp.
- **Bvisa** -bhatani: Inoshandiswa kubvisa sevha kubva kuRemoteApp.

1.2.2 Mapfupi Mapfupi

- **Gonesa mapfupi mapfupi** : Inoita kuti mapfupi mapfupi ashande uye inoshandisa ese ari kure mapfupi marongerero.

Remote Shortcuts Settings:

- **Gadzira mapfupi-menu mapfupi** : Inosarudza kana mapfupi-menu mapfupi pane sevha achifanira kuendeswa kune iye zvino mushandisi wekombuta yemuno, kuti itange kuburikidza neRemoteApp. Mapfupi achaiswa mune yakatsaurirwa folda mune yekutanga-menu ine zita fomati [Server alias].
- **Gadzira mapfupi eMapurogiramumu eWindows** : Inoona kana mapfupi eWindows Apps ari paseva achifanirwa kuendeswa kune iye zvino mushandisi wekombuta yemuno, ichatangwa kuburikidza neRemoteApp. Mapfupi achaiswa mune yakatsaurirwa folda mune yekutanga-menu ine zita fomati [Server alias]. Kutumira mapfupi eWindows Apps atumirwe mushure mekugadzikiswa Mapfupi mapfupi anoda kusarudzirwa sevha kubva RAAS Client nzvimbo yekuzivisa.
- **Gadzira mapfupi edesktop** : Inotarisa kana mapfupi edesktop ari paseva achifanirwa kuendeswa kune iye zvino mushandisi wekombuta yemuno, kuti atange kuburikidza neRemoteApp.
- **Isa mapfupi edesktop pamudzi wedesktop** : Inosarudza kana yakatamiswa mapfupi edesktop kubva kuseva inofanirwa kuiswa pamudzi wedesktop yemushandisi aripo. Imwe nzira ndeyekuwa mune yakatsaurirwa folda pane desktop ine zita fomati [Server alias].
- **Wedzera zita reserver kumazita ekudimbudzira** : Inoona kana mapfupi anotamiswa kubva pasevha achifanirwa kupihwa mazita anowedzerwa neserver alias.
- **Mutauro weServer wemazita ekudimbudzira** : Inotarisa kana mapfupi anotamiswa kubva kuseva achifanirwa kupihwa mazita zvichienderana nemutauro wakaiswa paserver.

1.2.3 Kuona

- **Gonesa zvinoonekwa** : Inoita kuti zviratidziro zvishande uye inoshandisa ese ekuona zvigadziriso.

- **Main color** : Inosarudza iyo huru ruvara rwekushandisa kune ese maonesheni.
- **Ruvara rwemavara** : Inosarudza ruvara rwemavara anoshandiswa kune ese maonesheni.
- **Mutsara ruvara** : Inosarudza ruvara rwemitsara inoshandiswa kune ese maonesheni.
- **Mafuremu** : Inosarudza kana RemoteApp windows yezvikumbiro paserver inofanirwa kuve neyakashongedza furemu. Mafuremu anogona kushandiswa kuratidza kumushandisi kuti ndeapi maapplication ndeesevha.
- **Connection bar** : Inotarisa kana bhawa rekubatanidza richifanira kunge riripo kana RemoteApp hwindo rekushandisa paserver riri kushanda. Iyo yekubatanidza bar inogona kushandiswa kuratidza kuti application pane server iri kugamuchira mapindiro.
- **Connection bar opacity** : Kana "Connection bar" yakasetwa, iyi marongerero inosarudza opacity yebhawa yekubatanidza.

1.2.4 File Explorer Extension

- **Gonesa muFaira yekuongorora yekuwedzera** : Inoita kuti sevha ionekwe mu RAAS Client Faira yekuongorora yekuwedzera uye inoshandisa zvese zvinoshanda RAAS Client Faira Explorer yekuwedzera marongerero.

Anooneka Mafolda: Shandisa izvi sarudzo kuti uone kuti ndeapi maforodha emushandisi anofanirwa kuoneka kune sevha muFaira yekuongorora yekuwedzera.

Zvinooneka Zvishandiso uye Madhiraivha: Shandisa izvi sarudzo kuona kuti ndeapi marudzi emidziyo uye madhiraivha anofanirwa kuoneka kune sevha muFaira yekuongorora yekuwedzera.

1.3 RAAS Client

The RAAS Client application inosvikwa kuburikidza neyayo system tray icon. Kana uchidzvanya-kurudyi icon mu system tray menyu yemukati inobuda. Zvinhu zvemamenu zvemukati memenu iyi zvichatsanangurwa muchikamu chino.

- **Remote Desktop** : Inovhura iyo "RAAS Client Remote Desktop" application, isina server yakasarudzwa.
- **RAAS Server Configuration**: Inovhura iyo "RAAS Server Configuration" application, isina server yakasarudzwa.
- **Rubatsiro (pdf)** : Inovhura pdf nerubatsiro maererano neRAAS.
- **About** : Inovhura hwindo rine ruzivo nezve yakaiswa RAAS Client.
- **Exit** : Inovhura RAAS Client.

Menu yemamiriro ekunze ine imwe sub menyu kune yega yega server inogoneswa. Denderedzwa dzvuku pamberi pezita reseva rinoratidza kuti sevha haina mhengo, denderedzwa yero pamberi pezita reseva rinoratidza kuti sevha iripo uye denderedzwa regirinhi pamberi pezita reseva rinoratidza kuti kubatana kuburikidza neRemoteApp kune server iripo.

Server sub context menu:

- **Batanidza** : Inogadzira chinongedzo kune server kuburikidza neRemoteApp.
- **Dimbura** : Inobvisa sevha kubva kuRemoteApp.
- **Batanidza zvakare** : Inobatanidzazve iyo RemoteApp yekubatanidza kune server.

- **Logoff** : Inoburitsa kunze ikozvino yakapinda mushandisi kubva kune server. Iyi sarudzo inongobata mushandisi iyo yakabatana ne RAAS Client kubva kumushini wemuno.
- **Reboot** : Reboots server.
- **Gadziridza Shortcuts** : Inogadziridza ese mapfupi mapfupi kubva paserver. Ichi chiito chinodiwa paunenge uchiisa mapfupi eWindows Apps.
- **Remote Desktop** : Inovhura iyo "RAAS Client Remote Desktop" application ine server yakasarudzwa.
- **RAAS Server Configuration**: Inovhura iyo "RAAS Server Configuration" application ine server yakasarudzwa.

1.4 RAAS Client File Explorer Extension

Kana shell namespace extension yakaiswa RAAS Client, pachave nechikamu muFile explorer chinonzi "RAAS Client" muTreeview yeFaira Explorer root level. Ichi chikamu chinogona kushandiswa kubata mafaira nemaforodha kune imwe neimwe server ine File Explorer extension inoshanda muzvirongwa. Yakagadzirirwa kushanda semabatiro akajairika emafaira uye mafirita muFile Explorer, paine zvimwe zvingasarudzwa zvinotsanangurwa muchikamu chino.

Kudzvanya-kurudyi server:

- **Remote Desktop** : Inovhura iyo "RAAS Client Remote Desktop" application ine server yakasarudzwa.
- **RAAS Server Configuration**: Inovhura iyo "RAAS Server Configuration" application ine server yakasarudzwa.

Kudzvanya-kurudyi faira:

- **Vhura pane iri kure host** : Inovhura iyo faira pane iri kure host kuburikidza neRemoteApp.
- **Gadzira nzira yekudimbudzira** : Inogadzira nzira yekudimbudzira iyo inotanga faira pane server kuburikidza neRemoteApp kana yaitwa. Iyo faira inogadzirwa mune yazvino folda.

Kudzvanya-kurudyi faira uye kurikwevera kune imwe nzvimbo isati yaburitswa:

- **Gadzira nzira yekudimbudzira pano** : Inogadzira nzira yekudimbudzira iyo inotanga faira pane server kuburikidza neRemoteApp kana yaitwa. Iyo faira inogadzirwa munzvimbo iyo iyo faira yakadhonzwa kwairi.

1.5 RAAS Client Remote Desktop

"RAAS Client Remote Desktop" inogona kutangwa nekudzvanya-kurudyi sevha muFaira muongorori wekuwedzera uye kusarudza "Remote Desktop" kana nekudzvanya-kurudyi RAAS Client icon mune system tray uye ingave kusarudza "Remote Desktop" mumudzi wemenyu kana mune imwe yemaseva menyu. Inoshandiswa kubatanidza kune sevha ine kure kure desktop uchishandisa zvachangengetwa zvitupa, izvo zvinogona kugadzirwa uchishandisa RAAS Server Configuration.

- **Server** : Sarudza sevha yekubatanidza kushandisa kure kure desktop.

Settings:

- **RDP authentication** : Inotara kuti ndeipi mitemo yechokwadi yekushandisa kana uchibatanidza kure kure desktop kune server, uchishandisa iyo RDP protocol.
- **Redirect clipboard** : Inoona kana clipboard redirection ichifanira kubatidzwa kana kudzima.
- **Redirect zvishandiso** : Inoona kana zvishandiso zvichifanira kutungamirwa. Iyi sarudzo inoda mamwe marongerero kuti ashande, ayo akanyorwa neMicrosoft.
- **Redirect printers** : Inoona kana printer redirection ichifanira kubatidzwa kana kudzima.
- **Sikirini yakazara** : Inotarisa kana kure kure desktop inofanira kutangwa mune yakazara skrini modhi.
- **Yekubatanidza bhawa** : Inotarisa kana bhawa yekubatanidza ichifanirwa kunge iripo mune yakazara skrini modhi.
- **Pin yekubatanidza bar** : Inotarisa kana iyo yekubatanidza bhawa ichifanirwa kubaiwa pakutanga.
- **Dektop hupamhi** : Inotemesa iyo desktop hupamhi hweiyo kure desktop desktop.
- **Desktop kureba** : Inosarudza kureba kwedesktop kune kure kure desktop desktop.

1.6 Search & Run

Search & Run inopa nzira iri nyore yekutsvaga maapplication akaiswa pane server uye wobva wamhanyisa maapplication. Iyo yakaiswa pane sevha asi inotarisirwa kushandiswa seRemoteApp application kuburikidza RAAS Client pakombiyuta yemutengi. Inoshanda sechinzwimbo chekutsvaga kweWindows, iyo isingasvikike kuburikidza RAAS Client. Kutsvaga mafaera kunoitwa nekutsvaga mafaera anotanga netambo yakapihwa mundima yekutsvaga. "*" mutambo inopindirana chero tambo uye "?" mutambo inowirirana nemhando ipi zvayo.

2 RAAS Server

Kuti udzore maseva, kana kugamuchira makomputa, kuburikidza RAAS Client , RAAS Server inoda kuiswa pamakomputa anotambira.

2.1 Kuiswa

RAAS Server inoiswa nekudhaunirodha RAASServer_[version]_x64.msi kune server, kana komputa inotambira, nekuvhura faira. Kana kusarudzika kuisirwa kwakaringana chete zviito zvinoda kutorwa kubvuma chibvumirano cherezinesi uye kurova install.

Kuti ushandise RAAS Server kubva a RAAS Client komputa, iwe unofanirwa kupinda kamwe kuburikidza nedesktop interface kana chironzwa chaiswa nemushandisi waunoshuvira kudzora sevha kuburikidza neRemoteApp.

Zvido zveSistimu: Inotsigira 64 bit shanduro dze Windows 10 & 11 Pro uye Enterprise pamwe neWindows Server RDS. .NET Framework 4.8 uye .NET 8 zvose zvinodiwa.

2.1.1 Zvirongwa zvepamusoro

Kana default kuisirwa isina kukwana, inogona kugadzirwa nekudzvanya "Advanced" bhatani paunenge uchiisa. Muchikamu chino zvinokwanisika kusarudza kuti ndeapi maitiro ekuisa nekugonesa kana kudzima maficha mune iyo interface. Tsanangudzo yechinhu inounzwa pasi pebhokisi rine zvidzoreso paunenge uchisarudza.

- Kana yakaiswa paWindows Server yekuwana RDS inokurudzirwa kudzima kugona kudzoreredza server kubva kune RDS vatengi. Izvi zvinogona kugadzirwa nekudzvanya bhatani re "Advanced" pane yekumisikidza uye kusarudza "Yese ficha ichave isipo" yechinhu chinonzi "Can Reboot".

2.2 Yakakurudzirwa Windows kumisikidza

- Zvinokurudzirwa kubvumidza password yakachengetedzwa kuvimbiswa kune komputa migove pane server kubvumidza kupinda kuburikidza neiyo RAAS Client Faira Explorer yekuwedzera pane komputa yemutengi. Zvinyorwa zvekupa password yakachengetedzwa yechokwadi kune komputa migove pane server yakanyorwa neMicrosoft.
- Inokurudzirwa kudzima User Account Control, UAC, pane server kuti ikwanise kuisa zvirongwa pane server kuburikidza RAAS Client RemoteApp. User Account Control uye kukwidziridzwa kweropafadzo hakutsigirwi RAAS Client RemoteApp. Documentation to disable User Account Control inopihwa neMicrosoft.
- Remote desktop yekubatanidza inoda kubvumidzwa pane server kuti Microsoft RemoteApp ishande nayo RAAS Client.
- RAAS Client anotaurirana ne RAAS Server kuburikidza nechiteshi 43000, chiteshi ichi chinoda kubvumidzwa kuburikidza nemafirewall. Kupinda muWindows firewall kunogadzirwa otomatiki pakuiswa kwe RAAS Server.
- Yekutanga yekubatanidza kune sevha nemushandisi waunoda kudzora sevha nayo kuburikidza neRemoteApp inodiwa kuti mapfupi agadzirwe.
- Kana yakashandiswa nekubatanidza bar kubva RAAS Client, zvinokurudzirwa kudzima Multi-tasking setting "Ratidza snap marongerero pandinokwevera hwindo kumusoro kwechidzitiro changu", iyo inowanikwa muWindows system marongerero. Basa iro rinouya mukupokana ne RAAS Client yekubatanidza bar kana yakashandiswa panguva imwe chete. Kuchinja izvi kuchaita kuti maapplication ari kure afambe zvakanaka.

2.3 Search & Run

Search & Run inopa nzira iri nyore yekutsvaga maapplication akaiswa pane server uye wobva wamhanyisa maapplication. Iyo yakaiswa pane sevha asi inotarisirwa kushandiswa seRemoteApp application kuburikidza RAAS Client pakombiyuta yemutengi. Inoshanda sechinzwimbo chekutsvaga kweWindows, iyo isingasvikike kuburikidza RAAS Client. Kutsvaga mafaera kunoitwa nekutsvaga mafaera anotanga netambo yakapihwa mundima yekutsvaga. "*" mutambo inopindirana chero tambo uye "?" mutambo inowirirana nemhando ipi zvayo.

3 Shanduro

Shanduro itsva dze RAAS Client uye RAAS Server inofanira kubudiswa panguva imwe chete nenhamba yeshanduro yakafanana inoenderana neshanduro tag muGitHub. RAAS Client uye RAAS Server inofanira kufambirana chero bedzi nhamba huru yeshanduro yakafanana kureva yekutanga yenhamba mumazita emafaira.

4 Tsigira

4.1 Nyaya dzinowananzoitika

Faira inoongorora inogona kutora nguva yakareba kuti itange nekuda kwenzvimbo dzetiweki dziri kuwedzerwa otomatiki kuti uwane nekukurumidza neWindows. Muchiitiko ichocho dambudziko richaitika kana nzvimbo yetiweki isingasvikike.

- Kugadzirisa: Chinja nzvimbo yakavhurika yeFaira muongorori marongerero kubva ku "Kumba" kuenda ku "Iyi PC".