From: Steven T. Bryant
Sent: Monday, August 10, 2020 10:57 PM
To: dig-comments-RFC <dig-comments-rfc@nist.gov>
Subject: Reverse flow authentication consideration

To whom it may concern,

Thank you kindly in advance for your time in reviewing this submission to your organization.

This email is a direct result of having been privy to a most encouraging and informative presentation that was delivered by David Temosh through ATARC.

The directive of ATARC is to bridge new and emerging technologies with branches of government, industry and academia.

Would it be possible to explore the benefits of reverse flow authentication as a viable solution to a host of cybersecurity concerns.

Reverse flow authentication (RFA) allows for the usage of what you know to be used for IAM systems. Without "what you know " verifying intent is not possible.

The benefits of RFA include minimizing the negligence that occurs with long complicated passwords, increased security, increased amount of interceptions that are needed to bypass security measures, the elimination of over the shoulder as well as key stroke loggers and audio recording etc.

Please see the following link for a basic understanding of how RFA works.


https://gcc02.safelinks.protection.outlook.com/?url=http%3A%2F%2Fnimingate.com%2FGATE_Web%2Fhow_gate_works.jsp&amp;data=02%7C01%7Cbarbara.cuthill%40nist.gov%7Cb27a27a26c7f4fa5bace08d83da23e4a%7C2ab5d82fd8fa4797a93e054655c61dec%7C1%7C1%7C637327114344932308&amp;sdata=KkDaml7VqdgXv1A5ek7kguKdQJBwWV1YyBJ6pR%2FcYEA%3D&amp;reserved=0
live demo

https://gcc02.safelinks.protection.outlook.com/?url=http%3A%2F%2Fnimingate.com%2FGATE_Web%2F&amp;data=02%7C01%7Cbarbara.cuthill%40nist.gov%7Cb27a27a26c7f4fa5bace08d83da23e4a%7C2ab5d82fd8fa4797a93e054655c61dec%7C1%7C1%7C637327114344932308&amp;sdata=EsuhEIHksKBRXC9N2pAE%2Bx4vy0zgNGYHlbZl5cV7EoA%3D&amp;reserved=0


There is also a video interview with Nick Thomas at United States National Cyber Summit from last year in Huntsville Alabama.


https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.youtube.com%2Fwatch%3Fv%3DSqOnIzNBA5Q&amp;data=02%7C01%7Cbarbara.cuthill%40nist.gov%7Cb27a27a26c7f4fa5bace08d83da23e4a%7C2ab5d82fd8fa4797a93e054655c61dec%7C1%7C1%7C637327114344942255&amp;sdata=d12Xb3uSJuc7MjZjnGZ2k0riErIazKase4paPHDAbB4%3D&amp;reserved=0


As well as a pdf of the presentation that was given at the same venue.

https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fres4.cloudinary.com%2Feventpower%2Fimage%2Fupload%2Fv1%2F19ncs%2Fpresentation_files%2Fagpde9j7siyhylrd6vks.pptx.pdf&amp;data=02%7C01%7Cbarbara.cuthill%40nist.gov%7Cb27a27a26c7f4fa5bace08d83da23e4a%7C2ab5d82fd8fa4797a93e054655c61dec%7C1%7C1%7C637327114344942255&amp;sdata=srqjlYUzS4brRAQ3gzIrncJ7Bu5lecRECLx8qcqLaeg%3D&amp;reserved=0

This new technology has the potential to minimize the risks associated with knowledge based input when verifying for IAM systems.

Please feel free to contact me at your earliest leisure if you would like to further a discussion of understanding regarding how RFA works and the long list of benefits.

Finally, here is a pdf of the awards GATE LLC has won as a result of the logic behind our patents.


Thank you, Steven T. Bryant.