Tips, Tools, Techniques for Remote Workers



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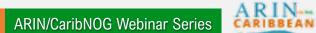




ARIN Before Covid-19

"Our ARIN Engineering Team had an Important Advantage"

Requirements to work remotely	 for those who travel and work remotely for times of adverse weather Existing work from home policy
Tools for all to work remotely	 All tools work over IP - including helpdesk and call center Internal tools available over the VPN Require Two-factor (2FA) authentication to VPN
Remote admin of laptops	 Able to remotely diagnose issues Remotely add/remote software packages
Ticketing system	• Allows users to submit trouble tickets for issues
Lots of practice	 Large snowstorms kept the office closed for days Culture of working from home

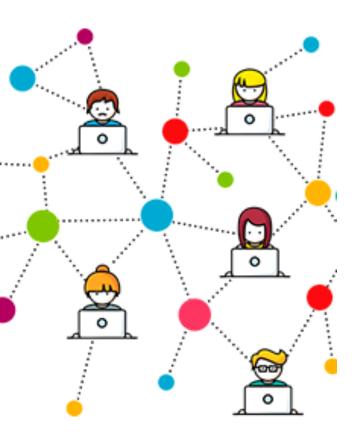


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Experience Helped ... A Lot!

Large snowstorms kept the office closed for days Lots of practice over Working from home the years All employees now have company-issued laptops We knew our VPN did not work well while running with high-bandwidth applications like Zoom & YouTube weaknesses based Was running older hardware that handled a good number working remotely on experience Discrete events gave us some time Management Allowed the IT staff to have time to build out new VPN servers to handle the entire office. developed a multi-Planned a work from home day for staff – practiced remote meetings from within our office phase approach Rolled out a segmented VPN service to route only traffic destined to the office through the VPN

What's In The ARIN Toolkit



COMMUNICATION

• Email, Slack, texts, Zoom for larger meetings, Slack video conferencing and Google Hangouts for smaller informal chats

VPN with 2FA AUTHENTICATION

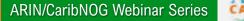
• OpenVPN and duo; Viscosity for Macs and Windows

REMOTE ADMINISTRATION

• Jamf for Macs; Manage Engine for Windows

OTHER TOOLS

- VOIP via Asterix PBX
- Atlassian tools for overall builds, etc.
- Local git repositories for all developers





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