Is that Wassail or WSL?

Windows **S**ubsystem for **L**inux (WSL) is a compatibility layer for running Linux binary executables (in ELF format) natively on Windows 10 and Windows Server 2019.

In May 2019, WSL 2 was announced, introducing important changes such as a real Linux kernel, through a subset of Hyper-V features. Since June 2019, WSL 2 is available to the Windows 10 customers through the Windows Insider program, including the Home edition.

Version 2 introduces changes in the architecture. Microsoft has opted for virtualization through a highly optimized subset of Hyper-V features, in order to run the kernel and distributions (based upon the kernel), promising performance equivalent to WSL 1. For backward compatibility, developers don't need to change anything in their published distributions. WSL2 settings can be tweaked by the WSL global configuration, contained in an INI file named .wslconfig in the User Profile folder.

The distribution installation resides inside an ext4-formatted filesystem inside a virtual disk, and the host file system is transparently accessible through the 9P protocol, similarly to other virtual machine technologies like QEMU. For the users, Microsoft promised up to 20 times the read/write performance of WSL 1. From Windows an IFS network redirector is provided for Linux guest file access using the UNC path prefix of \\wsl$.

WSL 2 requires Windows 10 version 1903 or higher, with Build 18362 or higher, for x64 systems, and Version 2004 or higher, with Build 19041 or higher, for ARM64 systems.

With WSL version 2, it is possible to run some graphical (GUI) applications (such as Mozilla Firefox) by installing an X11 server within the Windows (host) environment (such as VcXsrv or Xming), although not without caveats, such as the lack of audio support (though this can be remedied by installing PulseAudio in Windows in a similar manner to X11) or hardware acceleration (resulting in poor graphics performance). Support for OpenCL and CUDA is also not being implemented currently, although planned for future releases.

Microsoft stated WSL was designed for the development of applications, and not for desktop computers or production servers, recommending the use of virtual machines (Hyper-V), Kubernetes and Azure for those purposes.

"Microsoft loves Linux!" so they've said. Does this mean Windows will eventually run atop the Linux kernel? Or is this part of a scheme to embrace, extend, and then extinguish Linux?

(CREDIT: This article is ~99% from the Wikipedia article on "Windows Subsystem for Linux")

Be Safe! Social Distance! Wear a mask when near others just in case! Love each other and appreciate the wonderful things that each person brings to the world. God Bless us all!

Presidents Corner

Hello fellow club members,

Due to the current COVID-19 issues going on world-wide and locally with restrictions on gatherings:

We will also not be having the November 2020 meeting.

Please check back often at
https://www.mapcc.com
For updates as we have them for when we will have our next club meeting.

Thank you for your support.

~~**Meetings - January-November**~~
~~**Apple Barrel (at Sapp Bros.)**~~
~~**2608 S. 24th St.**~~
~~**Council Bluffs, Iowa**~~
~~**MEETING BEGINS: 7 PM**~~ ~~(NOT in December)~~

Minutes of October 20, 2020 ~~Meeting~~

Meeting was called off due to the continued health concerns of having crowds of people, etc.

First Drawing

The $10 drawing was won by N/A.

Minutes and Treasury Report

Minutes and treasury report will be read at next meeting. (we hope)

Old Business

No old business due to no meeting.

New Business

No new business due to no meeting.

Demo

The "demo" was not shown, but hopefully we will be able to sometime in 2020.

Stick-Around Drawing

The stick around drawing ($0.00) was not done for June.

Adjourned

No meeting!

Minutes recorded by Bruce 10/20/2020

M.A.P.C.C.
Established 1982

The Metro Area Personal Computer Club Newsletter is published monthly and posted on the club website: http://www.mapcc.com

Meetings:

3rd Tuesday of the month at 7 p.m. (*WHEN ALLOWED TO*)

Apple Barrel (party room)

2608 S. 24th St.

Council Bluffs, IA 51501

Elected Officers:

President: David Ladd

Vice President: Kevin Holloway

Secretary: Bruce

Treasurer: Kevin Holloway

Appointed Officers:

Newsletter Editor: Bruce

Annual Membership Dues:

Individual: $15.00 Family: $20.00

Club Motto:

"*Pass It On*"

Contact: (531) 600-8847