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Bringing .NET v6 and Alma Linux to IBM z Plus a Redbook

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Celebrating 50 years of VM

Why Alma Linux?

- CentOS Linux 8 End of Life was announced;
Dec 31st, 2021
- That put an end to SNA's royalty free ClefOS offering that was built off it
- Alma Linux's community-driven, open-source focus aligned with SNA's views
- Alma Linux offered SNA a gold partnership to bring Alma Linux to z.

Build for 9 based on CentOS 9 Stream

- S390x version exists which meant 9 is now available but 8 is still underway;
<https://almalinux.org/blog/almalinux-9-now-available/>
- Plugged into the Alma build system
- Identical to other platforms

Build for 8 based on Fedora 32

- Build starter package set
- Build it again using itself
- Waiting to plug it into Alma build system

How did we get there?

- We worked with IBM and Marist College to secure build machines using their [IBM LinuxONE Community Cloud service](#)
- Alma Linux provided expertise from their build teams
- And Neale Ferguson continues to do his magic!
- Get involved, download, use and share your stories: <https://chat.almalinux.org/almalinux/channels/town-square>



.NET 6

- **Microsoft, IBM and SNA started working together in 2020, integrating support for IBM z Systems into the .NET community**
- **Microsoft has continued to keep the project open-sourced allowing it to grow through versions.**



Why .NET on IBM z

- Many of IBM's z Systems customers have invested in .NET applications.
- It provides another opportunity to consolidate infrastructures, tighten controls, integrate with existing systems and grow new applications.
- It's open-source and remains one of the top 30 downloads from github.



.NET 6

- A healthy ecosystem exists, with over 90,000 packages available.
- Built in compilers
- Passes over 100,000 tests in Microsoft's test suite.
- [Take a test drive](#)

Read more in the Enterprise Tech Journal article: [NET Comes to IBM z Systems](#)



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And a Redbook

Sine Nomine Associates closed 2021 by helping IBM and a large North American bank automate MongoDB deployments.

The efforts, with Ansible code is documented in IBM's [Leveraging LinuxONE to Maximize Your Data Serving Capabilities](#) Redbook.



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Thank You

Time for Q&A

