# Upgrading to ArcaOS 5.1

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# Release terminology

- Major release - Major version number (*OS/2 Warp left off at 4.52, so ArcaOS started at 5.0*)
- Minor release - Less than a major release, but more new features than bugfix release (*5.1, 5.2*)
- Bugfix or Maintenance release - Minor fixes and enhancements ready for release (*5.0.1, 5.0.2*)

# Overview of anticipated ArcaOS versions (near-term)

- 5.0.7 - current
- 5.1 - Q4 2022
- 5.0.8 - future bug fixes (*installation*)
- 5.1.n-n - normal release cycle (*fixes and minor enhancements*)
- 5.2 - future significant point release

# Upgrade Licensing

- Discount available for existing 5.0.x licensees with current support & maintenance subscription
- No discount for expired subscriptions

# Scenario 1

- Traditional BIOS system running any 5.0.x release
- User wants 5.1 EN on same hardware
  - Run 5.1 installer; select option to Update/ Upgrade previous ArcaOS installation; select existing boot volume as target
  - Result: ArcaOS 5.1 installation

# Scenario 2

- Traditional BIOS system running any 5.0.x release
- User wants 5.1 DE (or ES or IT, etc.) on same hardware
  - Back up existing volumes
  - Run 5.1 installer for selected language; select option to install (personality or custom); install
  - Reinstall applications / restore data
  - Result: ArcaOS 5.1 installation

# Scenario 3

- New hardware, CSM available, single storage device (MBR)
  - Ensure CSM is enabled
  - Test booting installation media
  - Copy existing installation from old hardware
  - Proceed as in Scenario 1

# Scenario 4

- New hardware, CSM available, single storage device (MBR)
- User wants 5.1 DE (or ES or IT, etc.)
  - Ensure CSM is enabled
  - Test booting installation media
  - Proceed as in Scenario 2

# Scenario 5

- New hardware, CSM available, single storage device (GPT)
- User has other OSes installed which require GPT (or another reason to keep it)
  - Enable CSM if possible (check other OSes for possible problems)
  - Boot installation media in UEFI mode (this will be automatically determined)
  - Proceed as in Scenario 2

# Scenario 6

- New hardware, CSM available, single storage device (GPT)
- User has no other OSes installed which require GPT (or any other reason to keep it)
  - Ensure CSM is enabled
  - Boot installation media in traditional BIOS mode
  - Use InitDisk utility to convert to MBR
  - Proceed as in Scenario 3

# Scenario 7

- New hardware, CSM available
- User requires fully functional DOS and/or Win-OS/2 (and suspects this might not be possible from traditional BIOS boot)
  - Enable CSM if possible
  - Booting installation media in UEFI mode (this will be automatically determined)
  - Proceed as in Scenario 2

# Reasons to use GPT

- Other OSes installed on GPT device
- >2TB device, and would like to use more than 2TB total for ArcaOS

# Reasons not to use GPT

- Requires use of GPT.FLT filter driver
- Negative performance impact
- Boot from GPT only possible under UEFI
- Some system utilities may not function as expected due to the manner in which GPT partitions are presented as virtual disk devices and the physical unit is not exposed to the OS

# Reasons to use UEFI

- No working CSM available :-(
- Other OSes present which require UEFI
- Need DOS and/or Win-OS/2 session support

# Reasons not to use UEFI

- Adds some boot overhead/complexity
- Working CSM available :-)
- No need for DOS or Win-OS/2
- No other OSes installed dependent upon it
- No need to boot from GPT device

# Questions?