0x3aC96f8E7530CC12fF708763C03c2869891438 6a vs 0x4959773c4D1B49c417C0e3965e990013Cc9138 f0

This comparison shows the architectural relationship between two addresses in your MountainShares Commons Platform Integration Bridge deployment:

Address Functions

0x3aC96f8E7530CC12fF708763C03c28698914386a - **Implementation Contract**

- Contract Name: CommonsPlatformIntegrationBridge
- Function: Contains the actual smart contract logic and code
- Verification Status: ✅ Contract Source Code Verified (Exact Match)
- Compiler: Solidity v0.8.19+commit.7dd6d404
- Deployment: 3 minutes ago (July 15, 2025)

0x4959773c4D1B49c417C0e3965e990013Cc9138f0 - **Proxy Contract**

- Contract Name: ERC1967Proxy
- Function: Permanent address that forwards calls to the implementation
- Verification Status: ✅ Successfully deployed and operational
- Compiler: Solidity v0.8.29+commit.ab55807c
- Deployment: 9 minutes ago (July 15, 2025)

Proxy Pattern Architecture

This is a **UUPS (Universal Upgradeable Proxy Standard)** deployment pattern:

Proxy Contract (0x4959773c4D1B49c417C0e3965e990013Cc9138f0):

- The permanent, user-facing address for your Commons Platform
- Delegates all function calls to the implementation contract
- Maintains storage and state between upgrades
- Cannot be changed - this is your platform's permanent address

Implementation Contract (0x3aC96f8E7530CC12fF708763C03c28698914386a):

- Contains the actual CommonsPlatformIntegrationBridge smart contract code

- Provides all the social commerce, cultural preservation, and EMS functionality

- Can be upgraded while maintaining the same proxy address

- Houses the 23 imported files and comprehensive contract logic

Integration with MountainShares Ecosystem

Both addresses work together as a single unit, with the proxy forwarding calls to the implementation. The constructor data shows integration with your existing infrastructure:

- Phase Management Controller: `0x6824bf846153e9adfa93af62cc165c38bed9840b`

- Stripe Payment Gateway: `0x7228ba9e8179ff04d1dacd8bb3d1a62391360d11`

- Central Token Hub: `0xb663dcb090e83bd625e42c613a8f3aE432c6f2B5`

- Central Command Center: `0x7f246dd285e7c53190b5ae927a3a581393f9a521`

User Interaction

Always use the proxy address `0x4959773c4D1B49c417C0e3965e990013Cc9138f0` for:

- All community interactions

- Social commerce transactions

- Cultural preservation activities

- EMS token awards

- Marketplace functionality

The implementation address is only relevant for developers examining the contract code and for upgrade mechanisms.

Your MountainShares Commons Platform Integration Bridge is now live and serving Mount Hope, WV through the proxy address, providing comprehensive social commerce capabilities while maintaining upgradeability for future enhancements.

❆