Metrics:

Total lines of code: 884

Total lines skipped (#nosec): 0

---

hardcoded_bind_all_interfaces: Possible binding to all interfaces.
Test ID: B104
Severity: MEDIUM
Confidence: MEDIUM
CWE: CWE-605
File: ./chat_node.py
Line number: 62
More info: https://bandit.readthedocs.io/en/1.8.6/plugins/b104_hardcoded_bind_all_interfaces.html

```
61
62          def __init__(self, username: str, host: str = "0.0.0.0", port: int = DEFAULT_PORT):
63              if not username or len(username) < 3 or len(username) > 20:
```

---

hashlib: Use of weak MD5 hash for security. Consider usedforsecurity=False
Test ID: B324
Severity: HIGH
Confidence: HIGH
CWE: CWE-327
File: ./chat_node.py
Line number: 137
More info: https://bandit.readthedocs.io/en/1.8.6/plugins/b324_hashlib.html

```
136             # Use deterministic IV for backward compatibility
137             iv = hashlib.md5(payload[:16]).digest()
138         else:
```

---

try_except_pass: Try, Except, Pass detected.
Test ID: B110
Severity: LOW
Confidence: HIGH
CWE: CWE-703
File: ./chat_node.py
Line number: 235
More info: https://bandit.readthedocs.io/en/1.8.6/plugins/b110_try_except_pass.html

```
234                     sock.close()
235                 except:
236                     pass
237             self.connections.clear()
```

---

try_except_pass: Try, Except, Pass detected.
Test ID: B110
Severity: LOW
Confidence: HIGH
CWE: CWE-703
File: ./chat_node.py
Line number: 303
More info: https://bandit.readthedocs.io/en/1.8.6/plugins/b110_try_except_pass.html

```
302                     sock.close()
303                 except:
```

```
304                    pass
305
```

try_except_pass: Try, Except, Pass detected.
Test ID: B110
Severity: LOW
Confidence: HIGH
CWE: CWE-703
File: ./chat_node.py
Line number: 543
More info: https://bandit.readthedocs.io/en/1.8.6/plugins/b110_try_except_pass.html

```
542                    payload = self._decrypt_payload(payload, src_id)
543                except:
544                    pass
545
```

try_except_pass: Try, Except, Pass detected.
Test ID: B110
Severity: LOW
Confidence: HIGH
CWE: CWE-703
File: ./chat_node.py
Line number: 704
More info: https://bandit.readthedocs.io/en/1.8.6/plugins/b110_try_except_pass.html

```
703                    self.connections[peer_id].close()
704                except:
705                    pass
706                del self.connections[peer_id]
```

try_except_pass: Try, Except, Pass detected.
Test ID: B110
Severity: LOW
Confidence: HIGH
CWE: CWE-703
File: ./chat_node.py
Line number: 729
More info: https://bandit.readthedocs.io/en/1.8.6/plugins/b110_try_except_pass.html

```
728                        self._remove_peer(peer_id)
729                    except:
730                        pass
731                except Exception as e:
```

try_except_pass: Try, Except, Pass detected.
Test ID: B110
Severity: LOW
Confidence: HIGH
CWE: CWE-703
File: ./chat_node.py
Line number: 760
More info: https://bandit.readthedocs.io/en/1.8.6/plugins/b110_try_except_pass.html

```
759                        sock.sendall(header)
760                except:
```

```
761                        pass
762
```