

NetworkScanner

bool m\_isScanning

int m\_scannedHosts

int m\_totalHosts

int m\_scanTimeout

bool m\_useCustomRange

QHostAddress m\_startIPRange

QHostAddress m endIPRange

QList< int > m\_portsToScan

QList< HostInfo > m

\_scannedHostsList

QMutex m\_mutex

QList< QFuture< void

>> m\_scanFutures

QThreadPool m\_threadPool

QMap< QString, QString

> m\_macAddressCache

ScanStrategy m\_scanStrategy

QList< QHostAddress

> m\_activeHosts

+ NetworkScanner(QObject 'parent=nullptr)

+ ~NetworkScanner()

+ void setCustomPortsToScan

(const QList< int > &ports)

+ void setScanTimeout

(int msecs)

const

timeout)

void scanHostPorts

+ void setCustomIPRange

(const QString &startIP const QString &endIP)

+ void setScanStrategy (ScanStrategy::ScanMode mode)

+ QList< HostInfo > getScanned

Hosts() const void saveResultsToFile

(const QString &filename)

+ void startScan()

+ void stopScan() 和 9 更多...

+ void onScanTaskFinished

(const HostInfo &hostInfo)

+ void updateScanProgress()

+ void onHostNameLookedUp

(const QHostInfo &hostInfo)

QList< QHostAddress > getLocalNetworkAddresses()

QString normalizeMacAddress (const QString &macAddress)

bool pingTargetWithTimeout (const QString &ip, int

QString getMacAddressFrom SystemCalls(const QString &ip)

QList< QPair< QHostAddress, QString > > performARPScan()

(HostInfo &hostInfo) QList< QHostAddress

> getAddressesToScan()

void processScanResults()

static bool executeProcess (const QString &program,

const QStringList &args, QString &stdOutOutput, QString

&stdErrOutput, int startTimeout =2000, int finishTimeout=5000)