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Thread: [WiFi Adapters Information \[Console\]](#)

charmeur - July 10, 2016, 1:45 am

Dear All,

Listing the Wifi Network Adapters

The WiFi_NetworkAdapter class give you access to the main information related to the WiFi network adpaters.

Code:

```
Code procedure GetWiFi_NetworkAdapterInfo;
const
  WbemUser      = "";
  WbemPassword   = "";
  WbemComputer   = 'localhost';
  wbemFlagForwardOnly = $00000020;
var
  FSWbemLocator : OLEVariant;
  FWMIService   : OLEVariant;
  FWbemObjectSet: OLEVariant;
  FWbemObject   : OLEVariant;
  oEnum         : IEnumvariant;
  iValue        : LongWord;
begin;
  FSWbemLocator := CreateOleObject('WbemScripting.SWbemLocator');
  FWMIService   := FSWbemLocator.ConnectServer(WbemComputer, 'root\CIMV2', WbemUser,
WbemPassword);
  FWbemObjectSet:= FWMIService.ExecQuery('SELECT * FROM
WiFi_NetworkAdapter','WQL',wbemFlagForwardOnly);
  oEnum         := IUnknown(FWbemObjectSet._NewEnum) as IEnumVariant;
  while oEnum.Next(1, FWbemObject, iValue) = 0 do
  begin
    Writeln(Format('AdapterType           %s',[FWbemObject.AdapterType]));// String
    Writeln(Format('AdapterTypeId        %s',[FWbemObject.AdapterTypeId]));// Uint16
    Writeln(Format('AssociationStatus      %s',[FWbemObject.AssociationStatus]));// String
    Writeln(Format('AuthenticationStatus    %s',[FWbemObject.AuthenticationStatus]));// String
    Writeln(Format('AutoSense                %s',[FWbemObject.AutoSense]));// Boolean
    Writeln(Format('Availability              %s',[FWbemObject.Availability]));// Uint16
    Writeln(Format('Band                      %s',[FWbemObject.Band]));// String
    Writeln(Format('Caption                   %s',[FWbemObject.Caption]));// String
    Writeln(Format('CcxCpuPowerLevels         %s',[FWbemObject.CcxCpuPowerLevels]));// String
    Writeln(Format('CcxCpuPower                %s',[FWbemObject.CcxCpuPower]));// String
    Writeln(Format('CcxCpuVersion             %s',[FWbemObject.CcxCpuVersion]));// String
    Writeln(Format('ConfigManagerErrorCode    %s',[FWbemObject.ConfigManagerErrorCode]));// Uint32

    Writeln(Format('ConfigManagerUserConfig   %s',[FWbemObject.ConfigManagerUserConfig]));
```

```

// Boolean
    WriteLine(Format('Description           %s',[FWbemObject.Description]));// String
    WriteLine(Format('DeviceID             %s',[FWbemObject.DeviceID]));// String
    WriteLine(Format('DisableRfControl      %s',[FWbemObject.DisableRfControl]));// Boolean
    WriteLine(Format('ErrorCleared          %s',[FWbemObject.ErrorCleared]));// Boolean
    WriteLine(Format('ErrorDescription      %s',[FWbemObject.ErrorDescription]));// String
    WriteLine(Format('GUID                  %s',[FWbemObject.GUID]));// String
    WriteLine(Format('HardwareRadioState    %s',[FWbemObject.HardwareRadioState]));//
Boolean
    WriteLine(Format('IBSSTxPower           %s',[FWbemObject.IBSSTxPower]));// UInt16
    WriteLine(Format('Index                 %s',[FWbemObject.Index]));// UInt32
    WriteLine(Format('InstallDate           %s',[FWbemObject.InstallDate]));// Datetime
    WriteLine(Format('Installed             %s',[FWbemObject.Installed]));// Boolean
    WriteLine(Format('InterfaceIndex        %s',[FWbemObject.InterfaceIndex]));// UInt32
    WriteLine(Format('LastAppliedProfile    %s',[FWbemObject.LastAppliedProfile]));// String
    WriteLine(Format('LastErrorCodes       %s',[FWbemObject.LastErrorCodes]));// UInt32
    WriteLine(Format('MACAddress            %s',[FWbemObject.MACAddress]));// String
    WriteLine(Format('Manufacturer          %s',[FWbemObject.Manufacturer]));// String
    WriteLine(Format('MaxNumberControlled    %s',[FWbemObject.MaxNumberControlled]));//
UInt32
    WriteLine(Format('MaxSpeed              %s',[FWbemObject.MaxSpeed]));// UInt64
    WriteLine(Format('Name                  %s',[FWbemObject.Name]));// String
    WriteLine(Format('NetConnectionID        %s',[FWbemObject.NetConnectionID]));// String
    WriteLine(Format('NetConnectionStatus    %s',[FWbemObject.NetConnectionStatus]));//
UInt16
    WriteLine(Format('NetEnabled             %s',[FWbemObject.NetEnabled]));// Boolean
    WriteLine(Format('NetworkAddresses       %s',[FWbemObject.NetworkAddresses]));// String
    WriteLine(Format('PermanentAddress      %s',[FWbemObject.PermanentAddress]));// String
    WriteLine(Format('PhysicalAdapter        %s',[FWbemObject.PhysicalAdapter]));// Boolean
    WriteLine(Format('PNPDeviceID           %s',[FWbemObject.PNPDeviceID]));// String

    WriteLine(Format('PowerManagementCapabilities %s',[FWbemObject.PowerManagementCapabili
ties]));// UInt16
    WriteLine(Format('PowerManagementSupported %s',[FWbemObject.PowerManagementSupported]));// Boolean
    WriteLine(Format('ProductName            %s',[FWbemObject.ProductName]));// String
    WriteLine(Format('PSPMode                %s',[FWbemObject.PSPMode]));// UInt16
    WriteLine(Format('RadioState              %s',[FWbemObject.RadioState]));// Boolean
    WriteLine(Format('ServiceName            %s',[FWbemObject.ServiceName]));// String
    WriteLine(Format('Speed                  %s',[FWbemObject.Speed]));// UInt64
    WriteLine(Format('Status                 %s',[FWbemObject.Status]));// String
    WriteLine(Format('StatusInfo             %s',[FWbemObject.StatusInfo]));// UInt16
    WriteLine(Format('SupportedRates          %s',[FWbemObject.SupportedRates]));// String
    WriteLine(Format('TimeOfLastReset         %s',[FWbemObject.TimeOfLastReset]));// Datetime
    WriteLine(Format('TxRate                 %s',[FWbemObject.TxRate]));// String
    WriteLine(Format('WiFiAdapterType        %s',[FWbemObject.WiFiAdapterType]));// String
    WriteLine(Format('XpZeroConfigEnabled      %s',[FWbemObject.XpZeroConfigEnabled]));//
Boolean
    FWbemObject:=Unassigned;
end;
end;

```

Thanks

