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Thread: [TcpIp Settings IPv4 and IPv6 \[Console\]](#)

charmeur - July 10, 2016, 1:56 am

Dear All,

To get the WiFi Adapter TcpIp (IPv4) Settings use the WiFi_AdapterTcpIpSettings class.

Code:

Code procedure GetWiFi_AdapterTcpIpSettingsInfo;

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_AdapterTcpIpSettings','WQL',wbemFlagForwardOnly);
```

```
oEnum          := IUnknown(FWbemObjectSet._NewEnum) as IEnumVariant;
```

```
while oEnum.Next(1, FWbemObject, iValue) = 0 do
```

```
begin
```

```
  Writeln(Format('Caption          %s',[FWbemObject.Caption]));// String
  Writeln(Format('DefaultGateway  %s',[FWbemObject.DefaultGateway]));// String
  Writeln(Format('Description     %s',[FWbemObject.Description]));// String
  Writeln(Format('DHCP_IP         %s',[FWbemObject.DHCP_IP]));// Boolean
  Writeln(Format('DHCP_WINS       %s',[FWbemObject.DHCP_WINS]));// Boolean
  Writeln(Format('DhcpServer       %s',[FWbemObject.DhcpServer]));// String
  Writeln(Format('DhcpSubnetMask   %s',[FWbemObject.DhcpSubnetMask]));// String
  Writeln(Format('DNS              %s',[FWbemObject.DNS]));// Boolean
  Writeln(Format('DNSPrim          %s',[FWbemObject.DNSPrim]));// String
  Writeln(Format('DNSSec          %s',[FWbemObject.DNSSec]));// String
  Writeln(Format('Domain          %s',[FWbemObject.Domain]));// String
  Writeln(Format('IPAddress       %s',[FWbemObject.IPAddress]));// String
  Writeln(Format('ScopeID        %s',[FWbemObject.ScopeID]));// String
  Writeln(Format('SettingID       %s',[FWbemObject.SettingID]));// String
  Writeln(Format('WINSPrim        %s',[FWbemObject.WINSPrim]));// String
  Writeln(Format('WINSSec        %s',[FWbemObject.WINSSec]));// String
```

```
  FWbemObject:=Unassigned;
end;
```

end;

To get the WiFi Adapter TcpIpl (IPv6) Settings use the WiFi_AdapterTcpIplv6Settings class.

Code:

Code procedure GetWiFi_AdapterTcpIplv6SettingsInfo;

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_AdapterTcpIplv6Settings','WQL',wbemFlagForwardOnly);
```

```
oEnum := IUnknown(FWbemObjectSet._NewEnum) as IEnumVariant;
```

```
while oEnum.Next(1, FWbemObject, iValue) = 0 do
```

```
begin
```

```
  Writeln(Format('Caption      %s',[FWbemObject.Caption]));// String
  Writeln(Format('DefaultGateway %s',[FWbemObject.DefaultGateway]));// String
  Writeln(Format('Description %s',[FWbemObject.Description]));// String
  Writeln(Format('DHCP_IP      %s',[FWbemObject.DHCP_IP]));// Boolean
  Writeln(Format('DHCP_WINS    %s',[FWbemObject.DHCP_WINS]));// Boolean
  Writeln(Format('DhcpServer   %s',[FWbemObject.DhcpServer]));// String
  Writeln(Format('DhcpSubnetMask %s',[FWbemObject.DhcpSubnetMask]));// String
  Writeln(Format('DNS          %s',[FWbemObject.DNS]));// Boolean
  Writeln(Format('DNSPrim      %s',[FWbemObject.DNSPrim]));// String
  Writeln(Format('DNSSec       %s',[FWbemObject.DNSSec]));// String
  Writeln(Format('Domain       %s',[FWbemObject.Domain]));// String
  Writeln(Format('IPAddress    %s',[FWbemObject.IPAddress]));// String
  Writeln(Format('ScopeID      %s',[FWbemObject.ScopeID]));// String
  Writeln(Format('SettingID     %s',[FWbemObject.SettingID]));// String
  Writeln(Format('WINSPrim     %s',[FWbemObject.WINSPrim]));// String
  Writeln(Format('WINSSec      %s',[FWbemObject.WINSSec]));// String
```

```
  FWbemObject:=Unassigned;
```

```
end;
```

end;

Enjoy