

## PolyBezier

The **PolyBezier** function draws one or more Bézier curves.

```
BOOL PolyBezier(  
    HDC hdc,                // handle of device context  
    CONST POINT * lppt,      // address of endpoints and control points  
    DWORD cPoints           // count of endpoints and control points  
);
```

### Parameters

*hdc*

Identifies a device context.

*lppt*

Points to an array of **POINT** structures that contain the endpoints and control points of the curve(s).

*cPoints*

Specifies the number of points in the *lppt* array. This value must be one more than three times the number of curves to be drawn, because each Bézier curve requires two control points and an endpoint, and the initial curve requires an additional starting point.

### Return Value

If the function succeeds, the return value is TRUE.

If the function fails, the return value is FALSE.

### Remarks

Th **Polybezier** function draws cubic Bézier curves by using the endpoints and control points specified by the *lppt* parameter. The first curve is drawn from the first point to the fourth point by using the second and third points as control points. Each subsequent curve in the sequence needs exactly three more points: the ending point of the previous curve is used as the starting point, the next two points in the sequence are control points, and the third is the ending point.

The current position is neither used nor updated by the **PolyBezier** function. The figure is not filled.

This function draws lines by using the current pen.