

# Improved List Box & Grid Data Loading

PxPlus 2019 (v16)

# Ability to Load Data Faster

## New 'LoadPoint' Option for LIST\_BOX and GRID

- Property 'LoadPoint' used to define where LOAD data inserted
  - 0 - Data replaces existing data in list
  - >0 - Data inserted at index specified and 'LoadPoint' reset to 0
  - -1 - Data appended to existing data in list
  - -2 - Data replaces contents starting at 'Item' which will be updated
- Allows fast and easy loading of lists by sending blocks of data
- Can be used with background loading



New with  
PxPlus 2019

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## Sample Logic Using 'LoadPoint Option -2

```
lb=10
list_box lb,@(40,5,40,20),fmt="[Inv]l10 [Cust]l30",opt="rv",sep=";"
open (1,iol=*)"invhdr"
open (2,iol=*)"client"
!
lb'ItemNeededCtl=100
lb'itemCount=num(fin(1,"NUMREC"))
!
while 1
  obtain (0)'Bl',*,'El'
  if ctl=4 or eom=esc then break
  if ctl=100 then gosub Update_list
wend
!
end
```

Previously set 'Item to record number, then changed 'ItemText\$ MUCH SLOWER

```
Update_list:
data$=""
rnoFrom=lb'ItemNeededFrom, rnoTo=lb'ItemNeededTo
if rnoFrom=0 or rnoTo=0 then return
!
for recno=rnoFrom to rnoTo
  read data from "" to iol=iol(1),iol=iol(2,rec=cst$)
  if recno=rnoFrom \
  then read (1,rno=recno,dom=*next) \
  else read (1,end=*break)
  read (2,key=clientid$,rec=cst$,dom=*next)
  data$+=invoicenumber$+";"+cst.ClientName$+sep
next
!
lb'loadpoint=-2, lb'item=rnoFrom
list_box load lb,data$
return
```

# Additional Resources

The help link(s) below refer to the current on-line help pages. The functionality may have been further updated since the PxPlus 2019 (version 16) release.

- [LIST\\_BOX Properties](#)
- [GRID Control](#)