

endurox-python - Feature #790

UBF Dictionary like access without marshaling to dict

09/25/2022 05:24 PM - Madars

Status:	Closed	Start date:	09/25/2022
Priority:	Normal (Code 4)	Due date:	
Assignee:		% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:			

Description

Class endurox.UbfDict shall be added to the module, which would provide the following interfaces:

```
import endurox as e
```

```
buf = e.UbfDict({"T_STRING_FLD":["HELLO", "WORLD"]})
```

```
print(buf["T_STRING_FLD"][0])  
print(buf.T_STRING_FLD[0])
```

```
buf.T_STRING2_FLD="OK"
```

```
_,_,_ = e.tpcall("SVC, {"data":buf})
```

The fields by themselves shall be UbfDictFld class-based objects, which would allow list-like sequence occurrence access. UbfDict() shall provide additional features:

- String representations in the dictionary format
- Init shall take another UbfDict() or standard dictionary as input
- Compare with dict and UbfDict()
- Iterators over the UbfDict: keys only, keys/value (lists), Keys/value occs
- Delete field
- Access to sub-buffers (BFLD_UBF), marking them as read-only
- Automatic underlying XATMI buffer GC when the object goes out of the scope

History

#1 - 02/21/2023 09:05 PM - Madars

- Status changed from New to Resolved

Release notes

Implemented UBF direct dictionary support.

Available from Enduro/X Python release 8.0.4+.

#2 - 02/21/2023 09:05 PM - Madars

- Status changed from Resolved to Closed

- % Done changed from 0 to 100