

File created: 18-Jul-88 19:21:28 {POGO: AISNORTH: XEROX}<LOOPSCORE>TRUCKIN>PLAYERS>FIXRULES.;3

changes to: (FNS CONVERT-RULES MANUAL-CONVERT-RULES)
(VARS FIXRULESCOMS)

previous date: 12-Jul-88 23:16:38 {POGO: AISNORTH: XEROX}<LOOPSCORE>TRUCKIN>FIXRULES.;1

Read Table: XCL

Package: INTERLISP

Format: XCCS

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(RPAQQ FIXRULESCOMS ((FNS CONVERT-RULES MANUAL-CONVERT-RULES |NoticeMethodChanged|)))

(DEFINEQ

(CONVERT-RULES

```
(LAMBDA (|file|) ; Edited 15-Jul-88 15:46 by jrb:
  (LET* ((|methods| (FILECOMSLST |file| 'METHODS))
        (|instances| (CL:SET-DIFFERENCE (FILECOMSLST |file| 'INSTANCES)
                                       |methods|))
        (|badrules| \m |rs| |rsname|))
    ;; (className (CAR (FILECOMSLST file 'CLASSES))) (ruletail (CONCAT className "Rules"))
```

;;; Special-purpose hack to convert Truckin rules. Truckin's rules are of this form:

;;; (Method ((Player.RuleSet) self) (PlayerRuleSetRules self))

;;; where PlayerRuleSetRules is a RuleSet. We want the RuleSet to be Player.RuleSet, so when we run into one of these, we have to switch stuff
;;; around and recompile the ruleset

```
(|for| |mname| |in| |methods| |bind| |className|
  |do| (SETQ \m ($! |mname|))
      (SETQ |className| (@ \m |className|))
      (|if| (AND (SETQ |rsname| (|GetValue| \m ' |method| ' |RuleSet|))
                (CL:SYMBOLP |rsname|)
                (SETQ |rs| ($! |rsname|))
                (_ |rs| |InstOf| ($ |RuleSet|)))
          |then| (SETQ |instances| (CL:REMOVE |rsname| |instances|))
                (DELFROMFILE |rsname| 'INSTANCES |file|)
                (DELFROMFILE |rsname| 'FNS |file|)
                (LET ((|selector| (@ \m |selector|))
                    (|newrs|
                     (_ ($! (@ \m |className|)
                          |Delete|
                          ' |Method|
                          (@ \m |selector|)
                          T)
                      (SETQ |newrs| (_ ($ |RuleSet|)
                                       |New| NIL |mname|))
                    (_ @
                     |newrs| |className| |className|)
                    (_ @
                     |newrs| |workSpace| |className|)
                    (_ @
                     |newrs| |selector| |selector|)
                    (_ @
                     |newrs| |method:,RuleSet| |newrs|)
                    (_ @
                     |newrs| |tempVars| (@ |rs| |tempVars|))
                    (_ @
                     |newrs| |taskVars| (@ |rs| |taskVars|))
                    (_ @
                     |newrs| |debugVars| (@ |rs| |debugVars|))
                    (SETQ |rsRuleClass| (@ |newrs| |ruleClass|))
                    (SETQ |ruleSetSource| (_ |newrs| |GetPersp| ' |Source|))
                    (|SaveRules| |ruleSetSource| |newrs| (_ (_ |rs| |GetPersp| ' |Source|)
                                                           |GetSource|))
                    (ADDTOWFILE |mname| 'METHODS |file|)
                    (_ |newrs| |CompileRules|)
                    (|if| |parseErrorFlg|
                      |then| (|push| |badrules| |mname|))))))
  (|for| |className| |in| (FILECOMSLST |file| 'CLASSES) |bind| |ruletail|
    |do| (SETQ |ruletail| (CONCAT |className| "Rules"))
        (|for| |rsname| |in| |instances| |bind| |mname| |when| (STRPOS |ruletail| |rsname|)
          |do| (LET ((|selector| (MKATOM (SUBSTRING |rsname| 1 (SUB1 (STRPOS |ruletail| |rsname|)))))
                  (|newrs|
                   (SETQ |mname| (PACK* |className| "." |selector|))
                   (SETQ |rs| ($! |rsname|))
                   (CL:FORMAT T "Hack-converting ~A to ~A-%" |rsname| |mname|)
                   (SETQ |newrs| (_ ($ |RuleSet|)
                                    |New| NIL |mname|))
                   (_ @
                    |newrs| |className| |className|)
```

```

(_@
 |newsr| |workSpace| |className|)
(_@
 |newsr| |selector| |selector|)
(_@
 |newsr| |method:,RuleSet| |newsr|)
(_@
 |newsr| |tempVars| (@ |rs| |tempVars|))
(_@
 |newsr| |taskVars| (@ |rs| |taskVars|))
(_@
 |newsr| |debugVars| (@ |rs| |debugVars|))
(SETQ |rsRuleClass| (@ |newsr| |ruleClass|))
(SETQ |ruleSetSource| (_ |newsr| |GetPersp| ' |Source|))
(|SaveRules| |ruleSetSource| |newsr| (_ (_ |rs| |GetPersp| ' |Source|)
 |GetSource|))

(ADDTOFILE |mname| 'METHODS |file|)
(SETQ |instances| (CL:REMOVE |rsname| |instances|))
(DELFROMFILE |rsname| 'INSTANCES |file|)
(DELFROMFILE |rsname| 'FNS |file|)
(_ |newsr| |CompileRules|)
(|if| |parseErrorFlg|
 |then| (|push| |badrules| |mname|))))
(|if| (|for| \i |in| |instances| |thereis| (_ ($! \i)
 |InstOf|
 ($ |RuleSet|)))
 |then| (CL:FORMAT *ERROR-OUTPUT* "There are unconverted RuleSets on file ~A~%" |file|))
(|if| |badrules|
 |then| (CL:FORMAT *ERROR-OUTPUT* "The following rule sets did not compile and are not installed as
 methods~%"
 (CL:FORMAT *ERROR-OUTPUT* "To edit them, do:~%(_ ($ <method-name>) ER)"
 |badrules|))))

```

(MANUAL-CONVERT-RULES

(LAMBDA (|file| |rsname| |className| |selector|) ; Edited 15-Jul-88 16:55 by jrb:

```

(LET (|newsr| (|mname| (PACK* |className| "." |selector|)))
(SETQ |rs| ($! |rsname|))
(CL:FORMAT T "Hack-converting ~A to ~A~%" |rsname| |mname|)
(SETQ |newsr| (_ ($ |RuleSet|)
 |New| NIL |mname|))

```

```

(_@
 |newsr| |className| |className|)
(_@
 |newsr| |workSpace| |className|)
(_@
 |newsr| |selector| |selector|)
(_@
 |newsr| |method:,RuleSet| |newsr|)
(_@
 |newsr| |tempVars| (@ |rs| |tempVars|))
(_@
 |newsr| |taskVars| (@ |rs| |taskVars|))
(_@
 |newsr| |debugVars| (@ |rs| |debugVars|))
(SETQ |rsRuleClass| (@ |newsr| |ruleClass|))
(SETQ |ruleSetSource| (_ |newsr| |GetPersp| ' |Source|))
(|SaveRules| |ruleSetSource| |newsr| (_ (_ |rs| |GetPersp| ' |Source|)
 |GetSource|))

(ADDTOFILE |mname| 'METHODS |file|)
(DELFROMFILE |rsname| 'INSTANCES |file|)
(DELFROMFILE |rsname| 'FNS |file|)
(_ |newsr| |CompileRules|))

```

(|NoticeMethodChanged|

(LAMBDA (|name| |type| |reason|) ; Edited 11-Jul-88 21:31 by jrb:

;;; The method has changed.

; Patch up the comment in the method object

```

(LET ((|methObj| ($! |name|)))
(COND
 ((AND |methObj| (NOT (|\Loading-File?|))
 (NOT (MEMB |reason| ' (LOAD DELETED)))
 (@ |methObj| |className|)
 ($! (@ |methObj| |className|)
 (@ |methObj| |selector|)))
 (_ ($! (@ |methObj| |className|)
 |CommentMethods|
 (@ |methObj| |selector|)
 T))))

```

; Tell MasterScope that the function has changed.

;; JRB - No longer necessary for Lyric - Masterscope analyzes the METHOD-FNS directly. (MSMARKCHANGED name 'FNS reason)

)

)

{MEDLEY}<loops>truckin>players>FIXRULES.;1

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