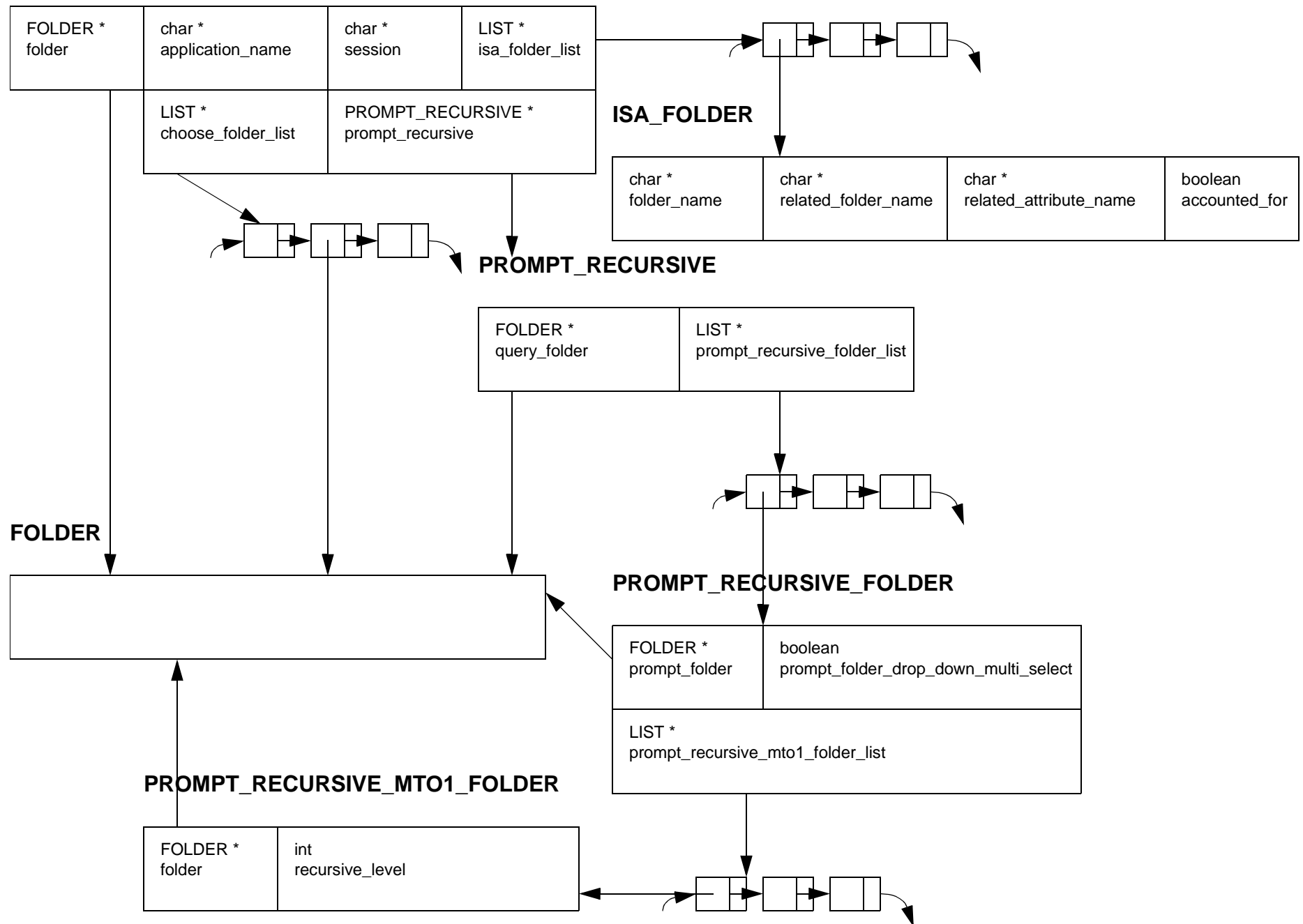


# APPASERVER Data Structure

## APPASERVER



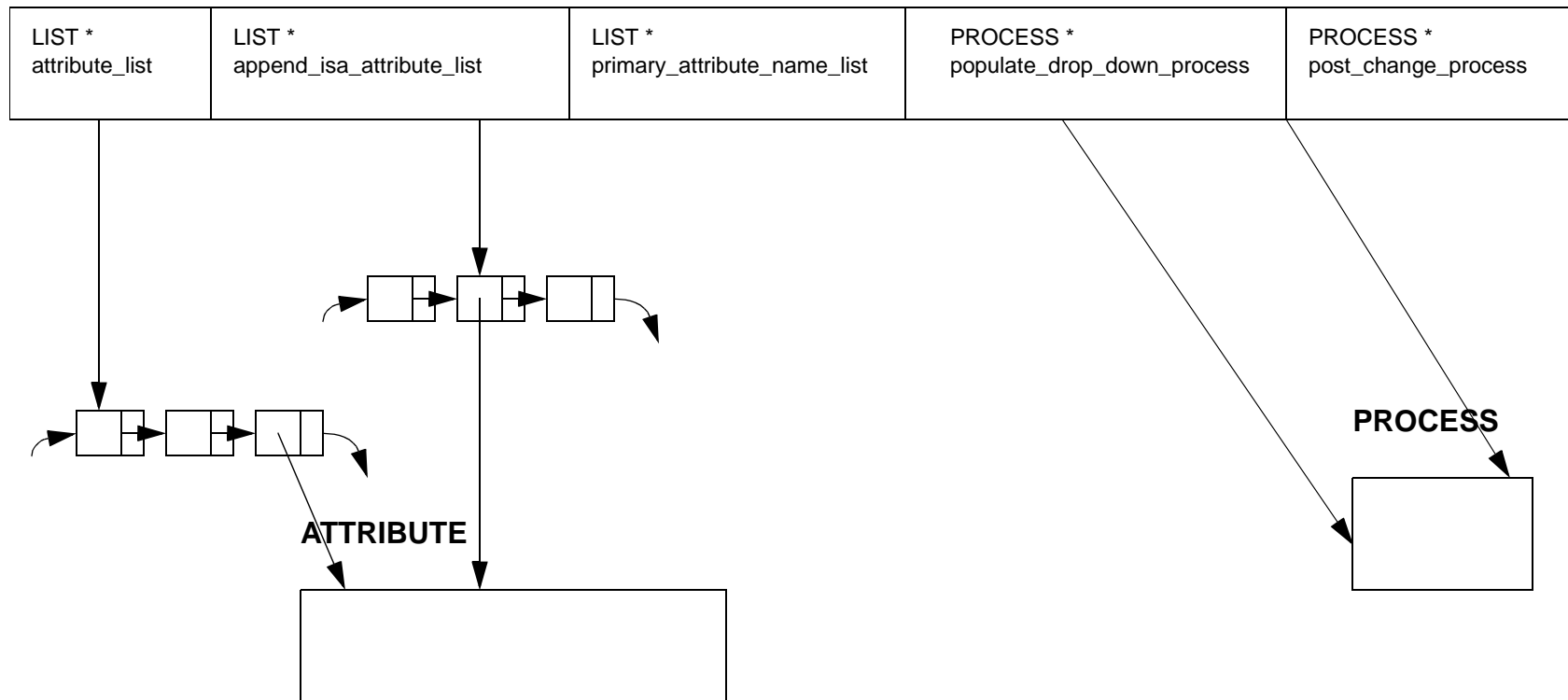
# APPASERVER Data Structure

## FOLDER

|                                                                                                                                                                                                                                             |                           |                            |                                 |                              |                              |                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|---------------------------------|------------------------------|------------------------------|----------------------------------|
| char *<br>folder_name                                                                                                                                                                                                                       | int<br>insert_rows_number | long<br>row_count          | boolean<br>insert_permission    | boolean<br>update_permission | boolean<br>lookup_permission | char *<br>post_change_javascript |
| boolean<br>lookup_email_output                                                                                                                                                                                                              |                           | char *<br>application_name |                                 | char *<br>session            | char *<br>folder_form        | long<br>row_access_count         |
| boolean<br>lookup_before_drop_down                                                                                                                                                                                                          |                           | char *<br>notepad          | char *<br>html_help_file_anchor |                              | char *<br>tablespace         |                                  |
| LIST *non_primary_attribute_list<br>boolean lookup_transmit_output<br>boolean row_level_non_owner_forbid<br>boolean row_level_non_owner_view_only<br>boolean no_initial_capital<br>char *schema_name<br>DICTIONARY *primary_data_dictionary |                           |                            |                                 |                              |                              |                                  |

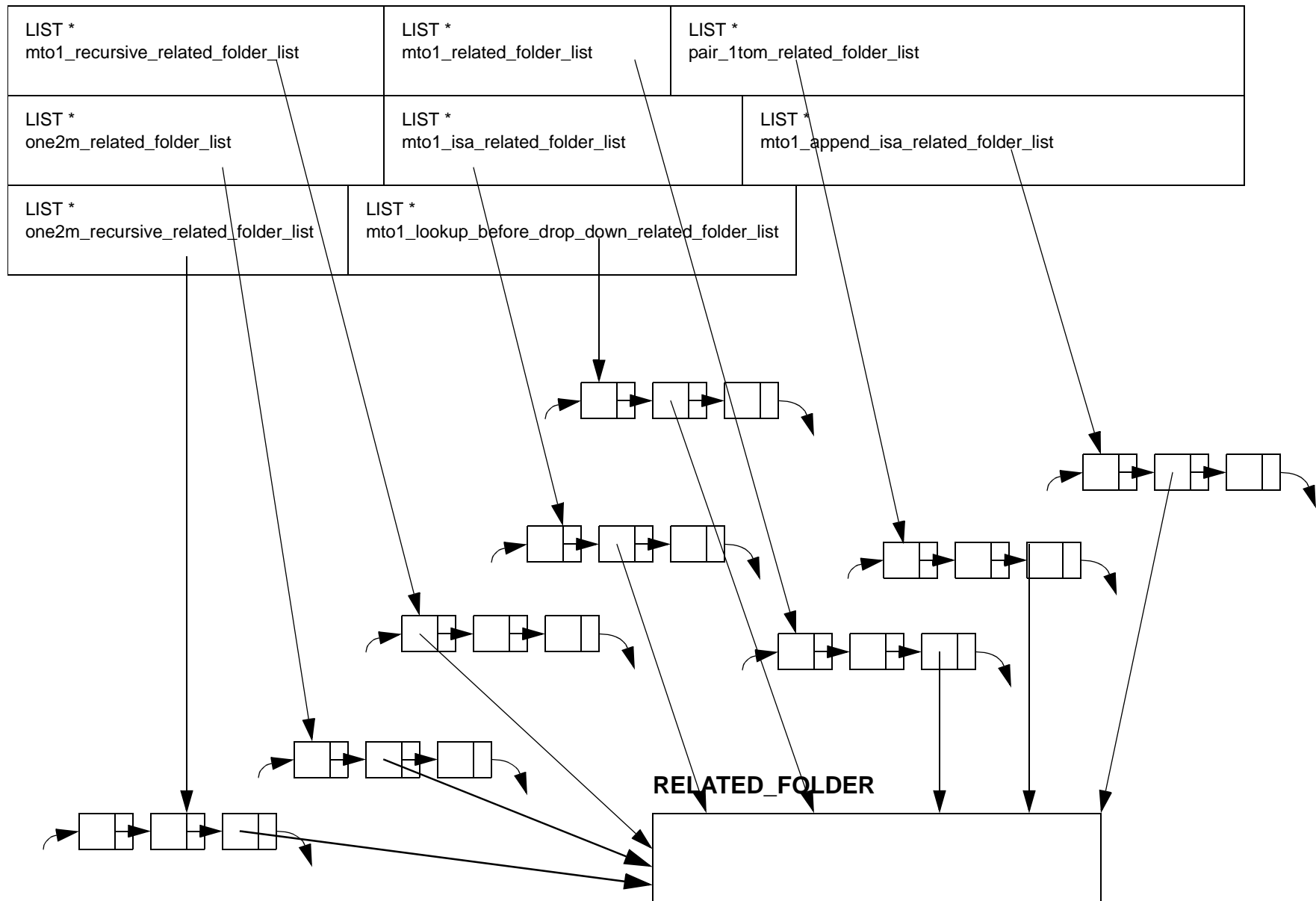
# APPASERVER Data Structure

## FOLDER (con't.)



# APPASERVER Data Structure

## FOLDER (con't.)



# APPASERVER Data Structure

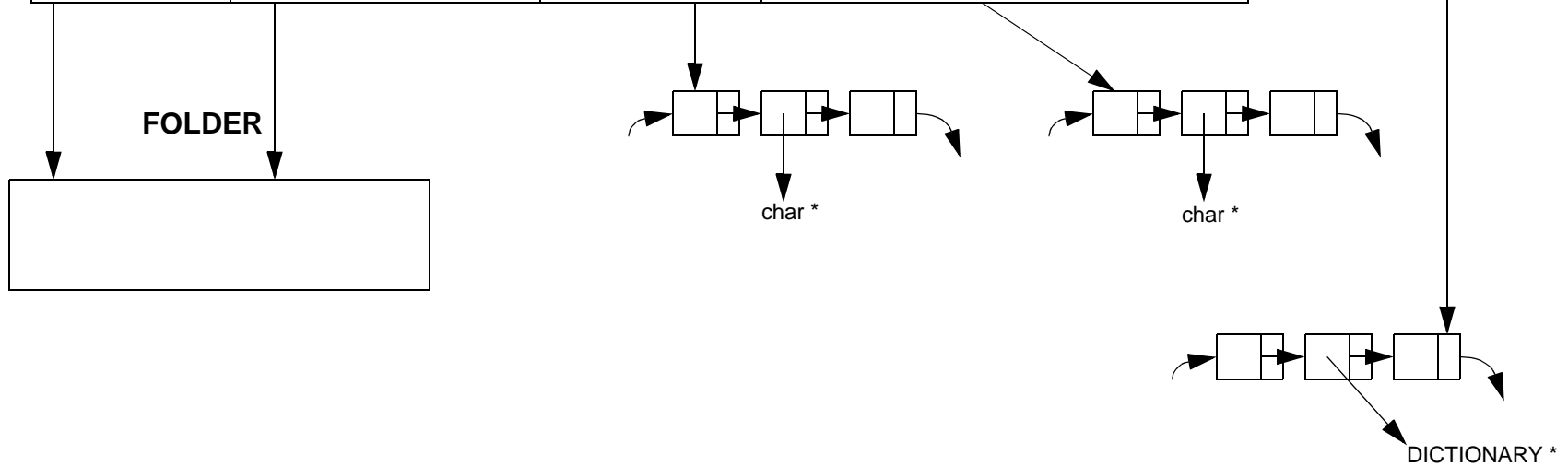
## ATTRIBUTE

|                                                                                                                                                                                                                                                                                                 |                             |                          |                       |                               |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------|-----------------------|-------------------------------|----------------------------|
| char *<br>attribute_name                                                                                                                                                                                                                                                                        | char *<br>datatype          | int<br>primary_key_index | int<br>display_order  | boolean<br>omit_insert_prompt | boolean<br>omit_insert     |
| int<br>width                                                                                                                                                                                                                                                                                    | int<br>float_decimal_places | char *<br>hint_message   | char *<br>folder_name | boolean<br>lookup_required    | boolean<br>insert_required |
| boolean optional_primary_key<br>LIST *exclude_permission_list<br>char *post_change_javascript<br>char *on_focus_javascript_function<br>boolean additional_unique_index<br>boolean additional_index<br>boolean lookup_histogram_output<br>boolean lookup_time_chart_output<br>boolean appaserver |                             |                          |                       |                               |                            |

# APPASERVER Data Structure

## RELATED\_FOLDER

|                                       |                                              |                                   |                                                  |                                                  |
|---------------------------------------|----------------------------------------------|-----------------------------------|--------------------------------------------------|--------------------------------------------------|
| boolean<br>relation_type_isa          | char *<br>related_attribute_name             | int<br>pair_1tom_order            | boolean<br>null_1tom_upon_delete                 | boolean<br>ignore_output                         |
| char *<br>hint_message                | boolean<br>copy_common_attributes            | boolean<br>prompt_mto1_recursive  | boolean<br>omit_1tom_detail                      |                                                  |
| LIST *<br>foreign_attribute_name_list | char *<br>join_where_clause                  | boolean<br>drop_down_multi_select |                                                  |                                                  |
| boolean<br>automatic_preselection     | LIST *<br>parent_foreign_attribute_name_list |                                   |                                                  | LIST *<br>automatic_preselection_dictionary_list |
| FOLDER *<br>folder                    | FOLDER *<br>one2m_related_folder             | LIST *<br>primary_data_list       | LIST *<br>common_non_primary_attribute_name_list |                                                  |



# APPASERVER Data Structure

## ROW\_SECURITY

|                                                                              |                                                                           |                                  |                                 |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------|---------------------------------|
| char *<br>login_name                                                         | char *<br>state                                                           | ROLE *<br>login_role             |                                 |
| DICTIONARY *<br>preprompt_dictionary                                         |                                                                           | DICTIONARY *<br>query_dictionary | DICTIONARY *<br>sort_dictionary |
| ROW_SECURITY_ELEMENT_LIST_STRUCTURE *<br>row_security_element_list_structure |                                                                           |                                  |                                 |
| LIST *<br>no_display_pressed_attribute_name_list                             |                                                                           | LIST *<br>role_update_list       |                                 |
| enum<br>row_security_state                                                   | <div> <div>security_supervisor</div> <div>regular_supervisor</div> </div> |                                  | security_user<br>regular_user   |
| char *<br>attribute_not_null_string                                          |                                                                           |                                  |                                 |
| FOLDER *<br>foreign_login_name_folder                                        | FOLDER *<br>attribute_not_null_folder                                     | FOLDER *<br>select_folder        |                                 |

## FOLDER

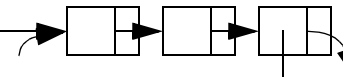
|                                               |                                         |                                              |                                        |                                               |
|-----------------------------------------------|-----------------------------------------|----------------------------------------------|----------------------------------------|-----------------------------------------------|
| char *<br>folder_name                         | LIST *<br>append_isa_attribute_list     | LIST *<br>mto1_recursive_related_folder_list | LIST *<br>mto1_isa_related_folder_list | LIST *<br>mto1_append_isa_related_folder_list |
| LIST *<br>one2m_recursive_related_folder_list | LIST *<br>join_1tom_related_folder_list | boolean<br>row_level_non_owner_forbid        | boolean<br>row_level_non_owner_vewonly |                                               |

## ROLE

|                     |                                      |
|---------------------|--------------------------------------|
| char *<br>role_name | boolean<br>override_row_restrictions |
|---------------------|--------------------------------------|

## ROW\_SECURITY\_ELEMENT\_LIST\_STRUCTURE

|  |
|--|
|  |
|--|

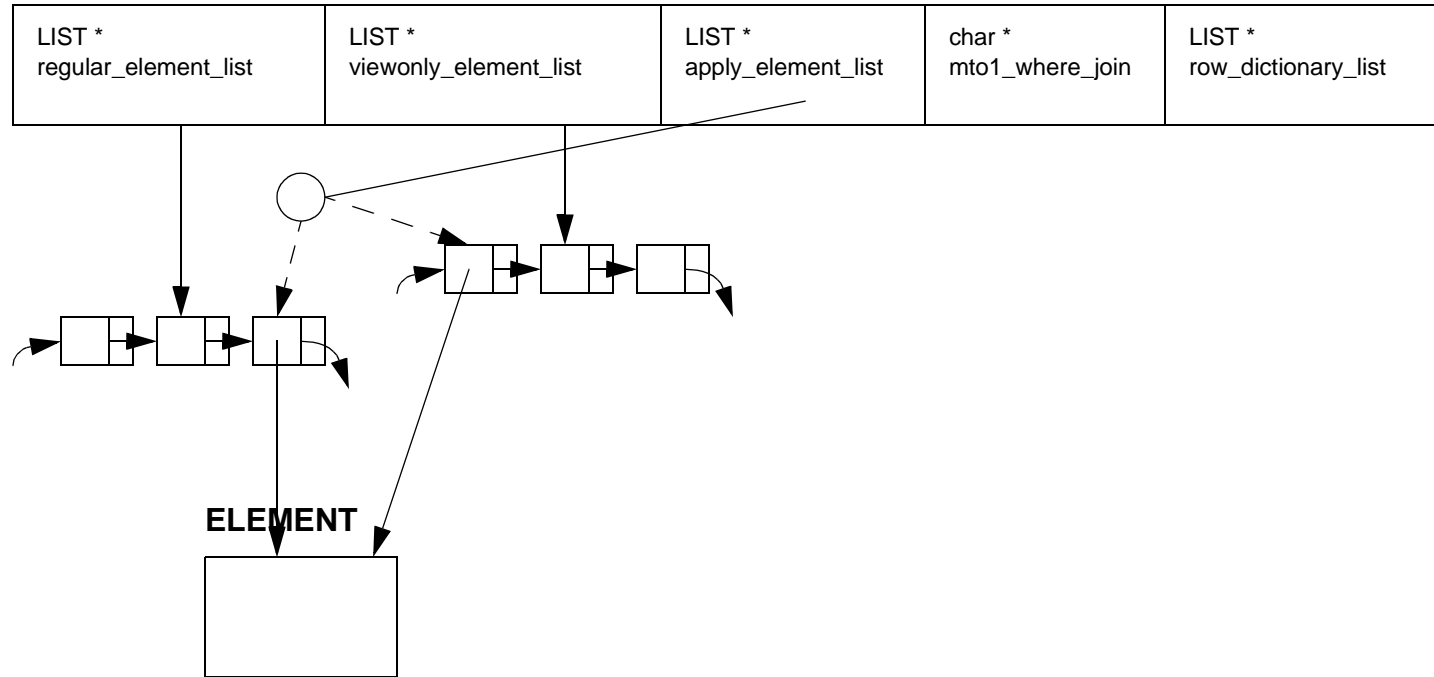


## ROW\_SECURITY\_ROLE\_UPDATE

|                    |                                     |
|--------------------|-------------------------------------|
| FOLDER *<br>folder | char *<br>attribute_not_null_string |
|--------------------|-------------------------------------|

# APPASERVER Data Structure


## ROW\_SECURITY\_ELEMENT\_LIST\_STRUCTURE





# APPASERVER Data Structure

## ELEMENT

| char *<br>name                                                                                                                                                                                                                                                                                                       | enum element_type<br>element_type                                                                                                                                         | boolean<br>remember_keystrokes_ok | int<br>tab_index                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>  </div> drop_down<br>push_button<br>radio_button<br>notepad<br>password<br>non_edit_text<br>linebreak<br>text_item<br>upload_filename<br>prompt_data<br>prompt_data_plus_hidden<br>reference_number<br>hidden<br>empty_column | blank<br>element_date<br>element_current_date<br>element_time<br>element_current_time<br>http_filename<br>timestamp<br>table_opening<br>table_closing<br>prompt<br>anchor |                                   | ELEMENT_DROP_DOWN *drop_down<br>ELEMENT_PUSH_BUTTON *push_button<br>ELEMENT_RADIO_BUTTON *radio_button<br>ELEMENT_NOTEPAD *notepad<br>ELEMENT_LINEBREAK *linebreak<br>ELEMENT_TEXT_ITEM *text_item<br>ELEMENT_PASSWORD *password<br>ELEMENT_PROMPT_DATA *prompt_data<br>ELEMENT_HIDDEN *hidden<br>ELEMENT_UPLOAD_FILENAME *upload_filename<br>ELEMENT_HTTP_FILENAME *http_filename<br>ELEMENT_ANCHOR *anchor<br>ELEMENT_EMPTY_COLUMN *empty_column<br>ELEMENT_REFERENCE_NUMBER *reference_number<br>ELEMENT_NON_EDIT_TEXT *non_edit_text |

# APPASERVER Data Structure

## LOOKUP\_BEFORE\_DROP\_DOWN

