NAME
    XtAppInitialize, XtVaAppInitialize - initialize, open, or close a display

SYNTAX
    #include <X11/Intrinsic.h>

    Widget XtAppInitialize(XtAppContext* *app_context_return*, const char **application_class*,
        XrmOptionDescRec* *options*, Cardinal *num_options*, int *argc_in_out, char **argv_in_out, String
        **fallback_resources*, ArgList *args*, Cardinal *num_args*);

    Widget XtVaAppInitialize(XtAppContext* *app_context_return*, const char **application_class*,
        XrmOptionDescRec* *options*, Cardinal *num_options*, int *argc_in_out, char **argv_in_out, String
        **fallback_resources*, ...);

ARGUMENTS
    app_context_return
                    Specifies the application context.

    application_class
                    Specifies the class name of this application, which usually is the generic name for all
                    instances of this application.

    options   Specifies how to parse the command line for any application-specific resources. The
                    options argument is passed as a parameter to **XrmParseCommand**. For further
                    information, see *Xlib - C Language X Interface*.

    num_options   Specifies the number of entries in the options list.

    argc_in_out   Specifies a pointer to the number of command line parameters.

    argv_in_out   Specifies the command line parameters.

    fallback_resources
                    Specifies resource values to be used if the application class resource file cannot be
                    opened or read, or NULL.

    args   Specifies the argument list to override any other resource specification for the created
                    shell widget.

    num_args   Specifies the number of entries in the argument list.

     ...   Specifies the variable argument list to override any other resource specification for the created shell widget.

DESCRIPTION

The **XtAppInitialize** function calls **XtToolkitInitialize** followed by **XtCreateApplicationContext**, then calls **XtOpenDisplay** with *display_string* NULL and *application_name* NULL, and finally calls **XtAppCreateShell** with *application_name* NULL, *widget_class* **applicationShellWidgetClass**, and the specified *args* and *num_args* and returns the created shell. The modified *argc* and *argv* returned by **XtDisplayInitialize** are returned in *argc_in_out* and *argv_in_out*. If *app_context_return* is not NULL, the created application context is also returned. If the display specified by the command line cannot be opened, an error message is issued and **XtAppInitialize** terminates the application. If *fallback_resources* is non-NULL, **XtAppSetFallbackResources** is called with the value prior to calling **XtOpenDisplay**.

XtAppInitialize and XtVaAppInitialize have been superceded by **XtOpenApplication** and **XtVaOpenApplication** respectively.

SEE ALSO

XtOpenApplication(3), XtVaOpenApplication(3)
X Toolkit Intrinsics - C Language Interface
Xlib - C Language X Interface