

NDK_X12_SCEN_INIT

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- [C/C++](#)
- [.Net](#)

```
int __stdcall NDK_X12_SCEN_INIT ( LPCSTR szScenarioName,  
                                LPVOID X12Options  
                                )
```

Initialize the required files for the given scenario/model.

Returns

status code of the operation

Return values

NDK_SUCCESS Operation successful

NDK_FAILED Operation unsuccessful. See [Macros](#) for full list.

Parameters

[in] **szScenarioName** is the scenario name, must be unique

[in] X12Options

(optional) is an instance of X12ARIMA_OPTIONS structure with all X12 model options. The structure has the following members: >

Type	Name	Description
long	lStartDate	is the serial date number for the start date of the time series.
BOOL	monthly	is a flag to indicate whether data is monthly/quarterly.
size_t	nObs	is the number of observations in the input time series.
int	transform	Transform section (1=Log, 2=Auto and 3=None)
BOOL	AOOutlier	additive outlier adjustment
BOOL	TCOutlier	temporary
BOOL	LSOutlier	level shift outlier adjustment
int	LSRun	level shift run
BOOL	tradingDayRegression	Calendar adjustment: trading days.
BOOL	EasterRegression	Calendar adjustment: easter holidays.
BOOL	ConstantIntercept	Add a linear trend?
BOOL	AutoSelect	RegARIMA Modeling: Automodeling?
int	P	RegARIMA Modeling: Manual, set the order of AR process.
int	Q	RegARIMA Modeling: Manual, set the order of MA process.
int	D	RegARIMA Modeling: Manual, differencing.
int	PP	RegARIMA Modeling: Manual, the order of seasonal AR process.
int	QQ	RegARIMA Modeling: Manual, the order of seasonal MA process.
int	DD	RegARIMA Modeling: Manual, Seasonal differencing.
int	nForecastYears	[in] is the number of years to forecast for.
double	fAlpha	[in] is the statistical significance level. If missing, a default of 5% is assumed.
BOOL	bSeasonalAdjustFilter	is a switch to include seasonal adjustment in the analysis.
int	nX11Mode	1=mult, 2=add, 3=pseudoadd, 4=logadd
int	nX11Options	1= x11default, 2=s3x1, 3=s3x3, 4=s3x5, 5=s3x9, 6=s3x15, 7=stable
int	henderson	henderson filter setting, default=13

Remarks

1. The underlying model is described [here](#).

Requirements

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Examples

References

Hamilton, J .D.; [Time Series Analysis](#), Princeton University Press (1994), ISBN 0-691-04289-6

See Also

[template("related")]